JVC

SCHEMATIC DIAGRAMS

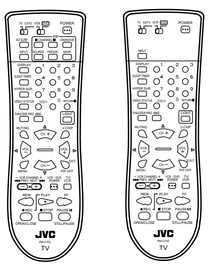
COLOR TELEVISION

AV-32D503/M/R/Y
AV-32D303/M/R/Y
AV-32D203/M/R/Y

BASIC CHASSIS
GE

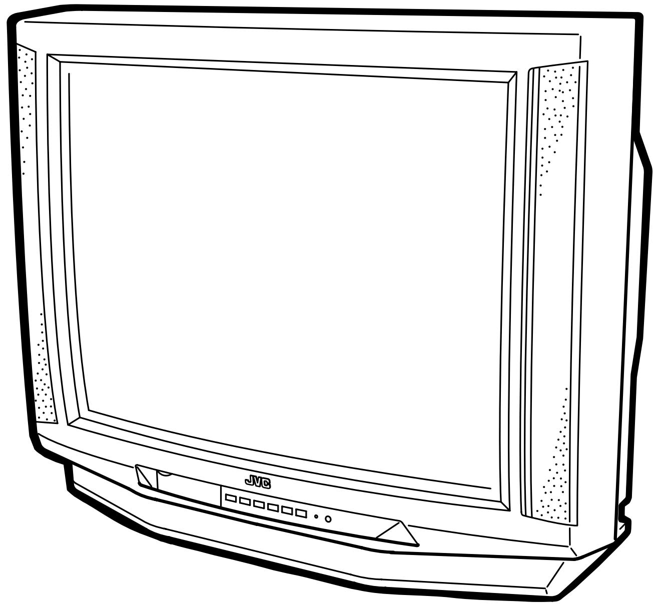
CD-ROM No.SML200205

BBE



RM-C251
[AV-32D503]

RM-C252
[AV-32D303]
[AV-32D203]



CONTENTS

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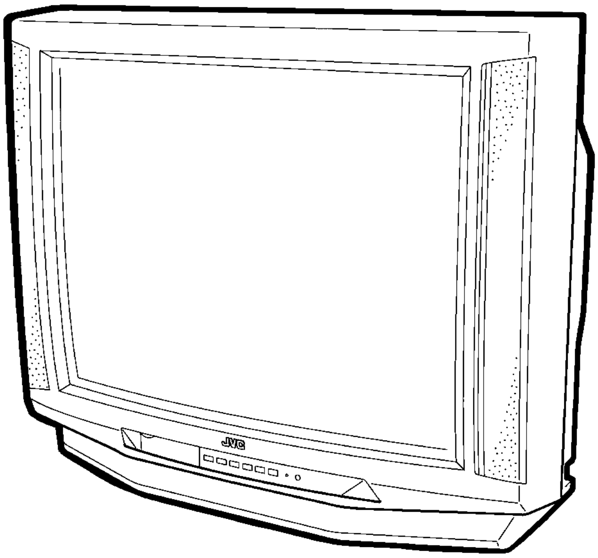
SERVICE MANUAL

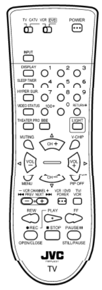
COLOR TELEVISION

AV-32D503/Y /R /M
AV-32D303/Y /R /M
AV-32D203/Y /R /M

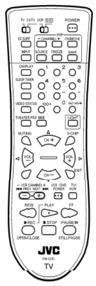
BASIC CHASSIS
GE

BBE





[RM-C252]
AV-32D303, 203



[RM-C251]
AV-32D503

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SPECIFICATIONS

ITEMS		CONTENTS
Dimensions (W × H × D)		33-7/8” × 27 × 21-5/8” (859mm × 684mm × 548mm)
Mass		114.4lbs / 52.0kg
TV System and Color system		
	TV RF System	CCIR(M)
	Color System	NTSC-M
	Sound System	BTSC (Multi Channel Sound)
TV Receiving Channels and Frequency		
	VL Band	(02～06) 54MHz～88MHz
	VH Band	(07～13) 174MHz～216MHz
	UHF Band	(14～69) 470MHz～806MHz
CATV Receiving Channels and Frequency		(54MHz～804MHz)
	Low Band	(02～06, A-8) by (02～06&01)
	High Band	(07～13) by (07～13)
	Mid Band	(A～1) by (14～22)
	Super Band	(J～W) by (23～36)
	Hyper Band	(W+1～W+28) by (37～64)
	Ultra Band	(W+29～W+84) by (65～125)
	Sub Mid Band	(A8, A4～A1) by (01, 96～99)
	TV/CATV Total Channel	180 Channels
Intermediate Frequency		
	Video IF Carrier	45.75 MHz
	Sound IF Carrier	41.25 MHz (4.5MHz)
Color Sub Carrier		3.58 MHz
Power Input		120V AC, 60Hz
Power Consumption		133W [AV-32D503]
		128W [AV-32D303, AV-32D203]
Picture Tube		32” (80cm) measured diagonally, Full Square
High Voltage		31kV ± 1.3kV (at zero beam current)
Speaker		2” × 4-3/4” (5 × 12cm) Oval type × 2
Audio Power Output		5W+5W
Input terminals		
INPUT1	Video	1Vp-p, 75Ω, RCA pin
	S-Video	Mini din 4 pin Y : 1Vp-p, negative sync provided when terminated with 75Ω C : 0.286Vp-p, burst signal when terminated with 75Ω
	Audio L/R	500mVrms (-4dBs), high impedance, RCA pin
INPUT2	Video	1Vp-p, 75Ω, RCA pin
	Component (Y, Pb, Pr)	RCA pin Y : 1Vp-p, negative sync provided when terminated with 75Ω Pb/Pr : 0.7Vp-p, 75Ω
	Audio L/R	500mVrms (-4dBs), high impedance, RCA pin
INPUT3	Video	1Vp-p, 75Ω, RCA pin
	Audio L/R	500mVrms (-4dBs), high impedance, RCA pin
Audio Output		500mVrms (-4dBs), low Impedance, 1kHz when modulated 100%, RCA pin
AV Compu linkⅢ interface		3.5mm mini jack
Antenna terminal		75Ω (VHF/UHF) Terminal, F-Type Connector
Remote Control Unit		RM-C251 (AA/R6/UM-3 battery × 2) [AV-32D503]
		RM-C252 (AA/R6/UM-3 battery × 2) [AV-32D303, AV-32D203]

Design & specifications are subject to change without notice.

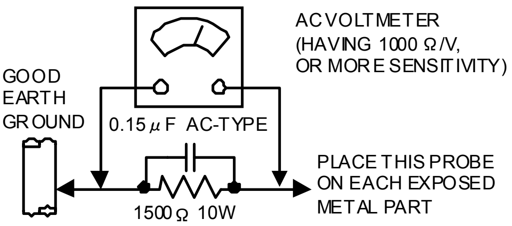
SAFETY PRECAUTIONS

1. The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
4. **Use isolation transformer when hot chassis.**
The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.
5. **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED(NEUTRAL) : (⊥) side GND and EARTH : (⏚) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.
If above note will not be kept, a fuse or any parts will be broken.
6. If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
7. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
8. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.
9. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.
10. **Isolation Check**
(Safety for Electrical Shock Hazard)
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

(1) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

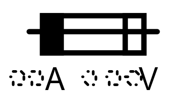
(2) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

● **Alternate Check Method**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).

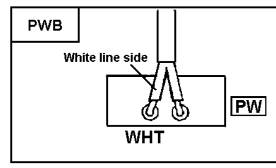


11. **High voltage hold down circuit check.**
After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.
See item "**How to check the high voltage hold down circuit**".

This mark shows a fast operating fuse, the letters indicated below show the rating.



POWER CORD REPLACEMENT WARNING.
Connecting the white line side of power cord to "WHT" character side.



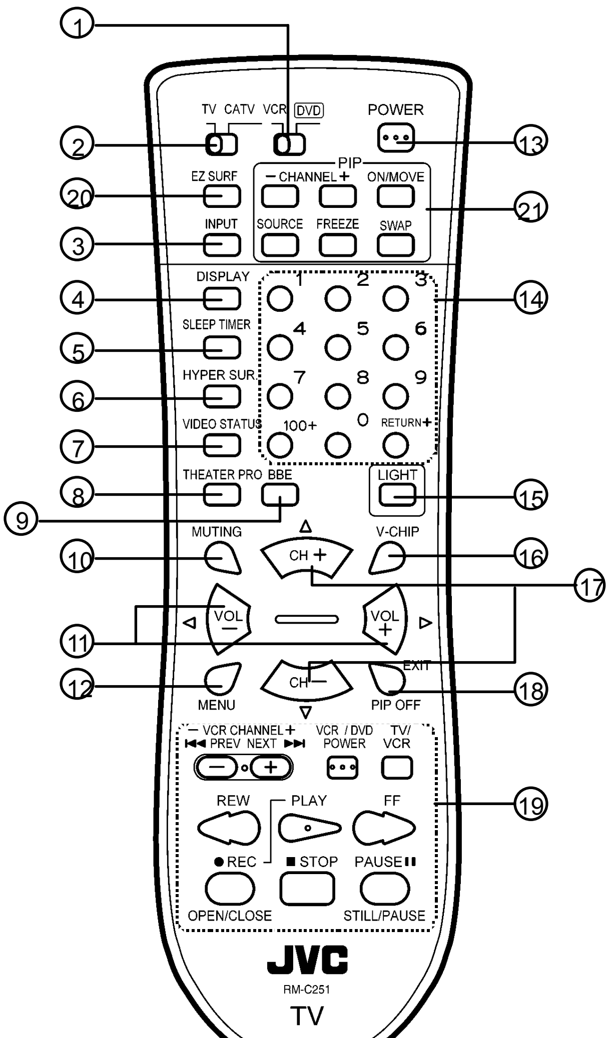
FEATURES

- Title TELE-TEXT broadcast of C1, C2, T1, and T2 formula is receivable.
- The voice multiplex function of the MTS system is built in.
- By the THEATER PROfunction, a reality to which it is viewing and listening in the movie theater can be tasted.
- By the EZ SURF function, channel ID and a program name are displayed in the screen automatically [Only for AV-32D503].
- By the COMPU LINK Ⅲ function, operation interlocked with the DVD deck can be performed from remote control.
- By the three-line digital comb filter, the refreshed image can be seen.
- Two programs can be displayed on the screen by the 2 tuner PIP circuit [Only for AV-32D503].
- Expression of a favorite screen can be chosen by the VIDEO STATUS function.
- A program can be enjoyed with a powerful sound by the HYPER SURROUND function.
- Since the V chip is built in, it can choose, view and listen to a healthy program.
- The RETURN PLUS function is built in.
- A quick favorite program can be looked for by the HYPER-SCAN function.
- Since the component signal input terminal is equipped, it reappears direct without deteriorating the signal from DVD,.

FUNCTIONS

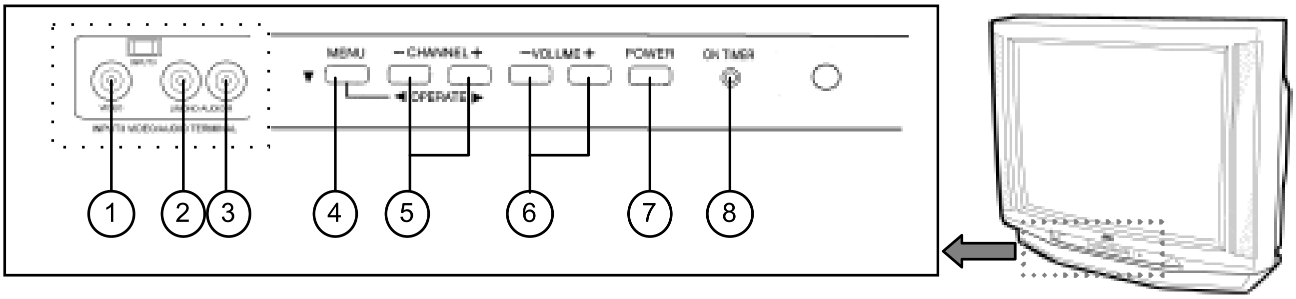
REMOTE CONTROL UNIT (RM-C251, RM-C252)

This illustration is written about RM-C251. There are no buttons of ⑳ EZ SURF and ㉑ PIP in the RM-C252.



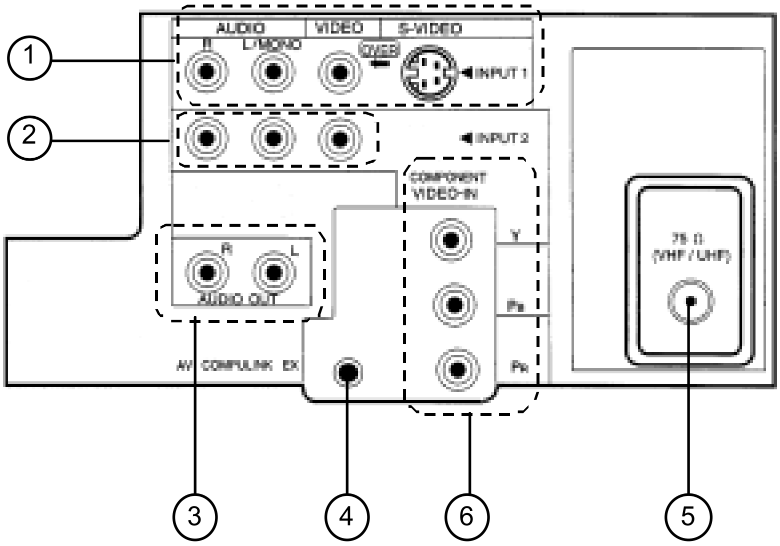
① VCR / DVD KEY
② TV / CATV KEY
③ INPUT KEY
④ DISPLAY KEY
⑤ SLEEP TIMER KEY
⑥ HYPER SURROUND KEY
⑦ VIDEO STATUS KEY
⑧ THEATER PRO KEY
⑨ BBE KEY
⑩ MUTING KEY
⑪ VOLUME -/+ and CURSOR ◀/▶ KEY (In the MENU screen)
⑫ MENU KEY
⑬ POWER KEY
⑭ CHANNEL NUMBER KEY
⑮ LIGHT KEY
⑯ V-CHIP KEY
⑰ CHANNEL +/− and CURSOR ▲/▼ KEY (In the MENU screen)
⑱ EXIT KEY
⑲ VCR CONTROL KEY
⑳ EZ SURF KEY [Only for RM-C251]
㉑ PIP CONTROL KEY [Only for RM-C251]

FRONT PANEL CONTROLS



① INPUT 3 VIDEO TERMINAL	⑥ VOLUME −/+ KEY
② INPUT 3 AUDIO L TERMINAL	⑦ POWER KEY
③ INPUT 3 AUDIO R TERMINAL	⑧ ON TIMER / POWER LED
④ MENU KEY, MENU ▼ KEY	
⑤ CHANNEL −/+ KEYS MENU ◀ / ▶ KEYS	

REAR TERMINAL



① INPUT 1 TERMINAL (S-VIDEO, V, L, R)
② INPUT 2 TERMINAL (V, L, R)
③ AUDIO OUTPUT TERMINAL
④ AV COMPULINK Ⅲ TERMINAL
⑤ ANTENNA TERMINAL
⑥ INPUT2 COMPONENT SIGNAL TERMINAL (Y, P_B, P_R)

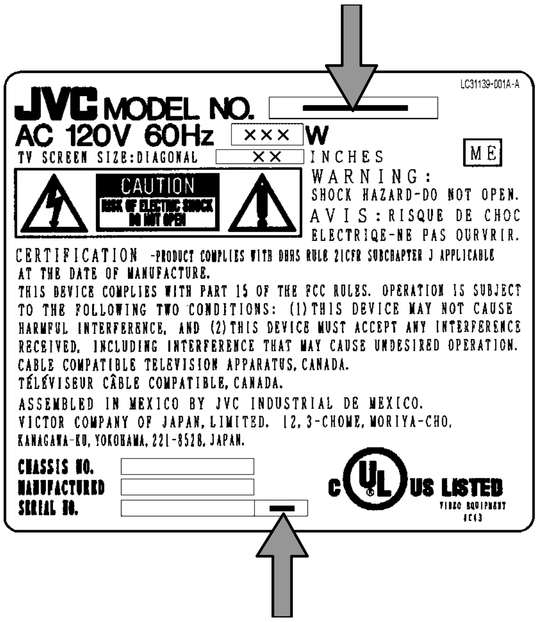
MAIN DIFFERENCE LIST

PARTS NAME	MODEL	/Y	/R	/M
ITC TUBE (Inc. DY, PC MAGNET, WEDGE)	**AV-32D503**	A80AKB50X04	A80AEJ15X01	A80JUA061X06
MAIN PWB		SGE-1003A-M2	SGE-1022A-M2	SGE-1021A-M2
CRT SOCKET PWB		SGE-3004A-M2	SGE-3007A-M2	SGE-3006A-M2
PIP PWB		SGE-5001A-M2	←	←
E-COAXIAL ASSY		WJX0014-002A	←	←
CONTROL KNOB		LC20217-005B-A	←	←
JVC MARK		CM48006-007-C	←	←
FRONT CABI. ASSY		LC10641-005B-A	←	←
DOOR		LC20409-005B-A	←	←
REMOCON UNIT		RM-C251-1H	←	←
ITC TUBE (Inc. DY, PC MAGNET, WEDGE)	**AV-32D303**	A80AKB50X04	A80AEJ15X01	A80JUA061X06
MAIN PWB		SGE-1006A-M2	SGE-1028A-M2	SGE-1027A-M2
CRT SOCKET PWB		SGE-3004A-M2	SGE-3007A-M2	SGE-3006A-M2
PIP PWB		×	×	×
E-COAXIAL ASSY		×	×	×
CONTROL KNOB		LC20217-005B-A	←	←
JVC MARK		CM48006-007-C	←	←
FRONT CABI. ASSY		LC10641-005B-A	←	←
DOOR		LC20409-005B-A	←	←
REMOCON UNIT		RM-C252-1H	←	←
ITC TUBE (Inc. DY, PC MAGNET, WEDGE)	**AV-32D203**	A80AKB50X04	A80AEJ15X01	A80JUA061X06
MAIN PWB		SGE-1006A-M2	SGE-1028A-M2	SGE-1027A-M2
CRT SOCKET PWB		SGE-3004A-M2	SGE-3007A-M2	SGE-3006A-M2
PIP PWB		×	×	×
E-COAXIAL ASSY		×	×	×
CONTROL KNOB		LC20217-001C-A	←	←
JVC MARK		CM48006-006-C	←	←
FRONT CABI. ASSY		LC10641-001G-A	←	←
DOOR		LC20409-001D-A	←	←
REMOCON UNIT		RM-C252-1H	←	←

HOW TO IDENTIFY MODELS

How to recognize from the appearance of the model concerned is written below. Please distinguish from several contents currently printed on the rating label.

Model Name



Detailed Model Name

	Model Name	Detailed Model Number
AV-32D503 /Y	AV-32D503	Y
AV-32D503 /R		R
AV-32D503 /M		M
AV-32D303 /Y	AV-32D303	Y
AV-32D303 /R		R
AV-32D303 /M		M
AV-32D203 /Y	AV-32D203	Y
AV-32D203 /R		R
AV-32D203 /M		M

SPECIFIC SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER

- Unplug the power plug.

1. As shown in Fig.2, remove the **12** screws marked Ⓐ .
2. Remove the rear cover toward you.

Note :

When reinstalling the rear cover, carefully push it inward after inserting the chassis into the rear cover groove.

REMOVING THE CHASSIS BASE

- After removing the rear cover.

1. Slightly raise the both sides of the chassis base by hand, and remove the **2** claws marked Ⓑ (Fig.1 and Fig.2) under the both sides of the chassis from the chassis rail.
2. As shown in Fig.1, draw the chassis base backward along the chassis rail marked Ⓒ in the arrow direction marked Ⓓ (Fig.2.). (If necessary, detach the wire clamp, connector's etc.)

Note :

When conducting a check with power supplied, be sure to confirm that the CRT earth wire is connected to the CRT SOCKET PWB and the MAIN PWB.

REMOVING THE TERMINAL BOARD

- After removing the rear cover.

1. As shown in Fig.2, remove the **4** screws marked Ⓔ .
2. When you pull out the TERMINAL BOARD, it can be removed.

REMOVING THE FRONT CONTROL PW BOARD

- After removing the rear cover and chassis base .

1. As shown in Fig.2, remove the **2** screws marked Ⓕ attached the FRONT CONTROL PWB with the front cabinet.
2. Then remove the FRONT CONTROL PWB.

REMOVING THE FRONT AV IN PW BOARD

- After removing the rear cover and chassis base.

1. As shown in Fig.2, remove the **2** screws marked Ⓖ .
2. Then remove the FRONT AV IN PWB.

REMOVING THE SPEAKER

- After removing the rear cover and chassis base.

1. As shown in Fig.2, remove the **4** screws marked Ⓗ .
2. Follow the same steps when removing the other hand speaker.

CHECKING THE MAIN PW BOARD

1. To check the backside of the MAIN PW Board.
   (1) Pull out the chassis base. (Refer to REMOVING THE CHASSIS BASE).
   (2) Erect the chassis vertically so that you can easily check from the backside of the MAIN PWB.

CAUTION

- When erecting the chassis, be careful so that there will be no contacting with other PWB.
- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.

WIRE CLAMPING AND CABLE TYING

1. Be sure to clamp the wire.
2. Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

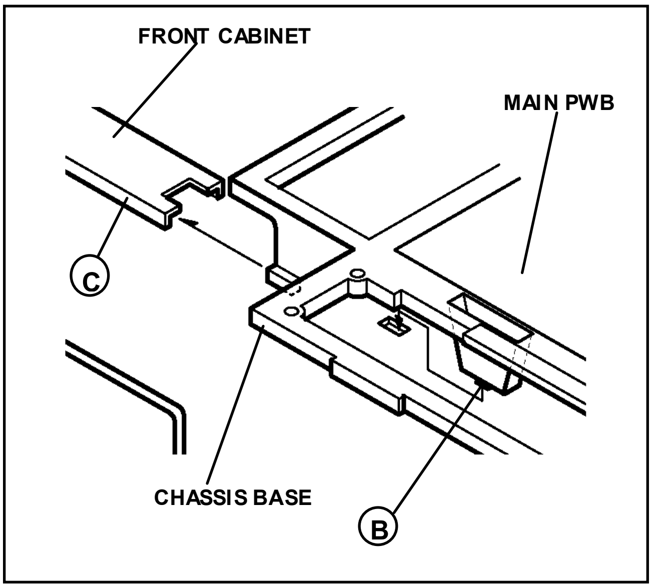
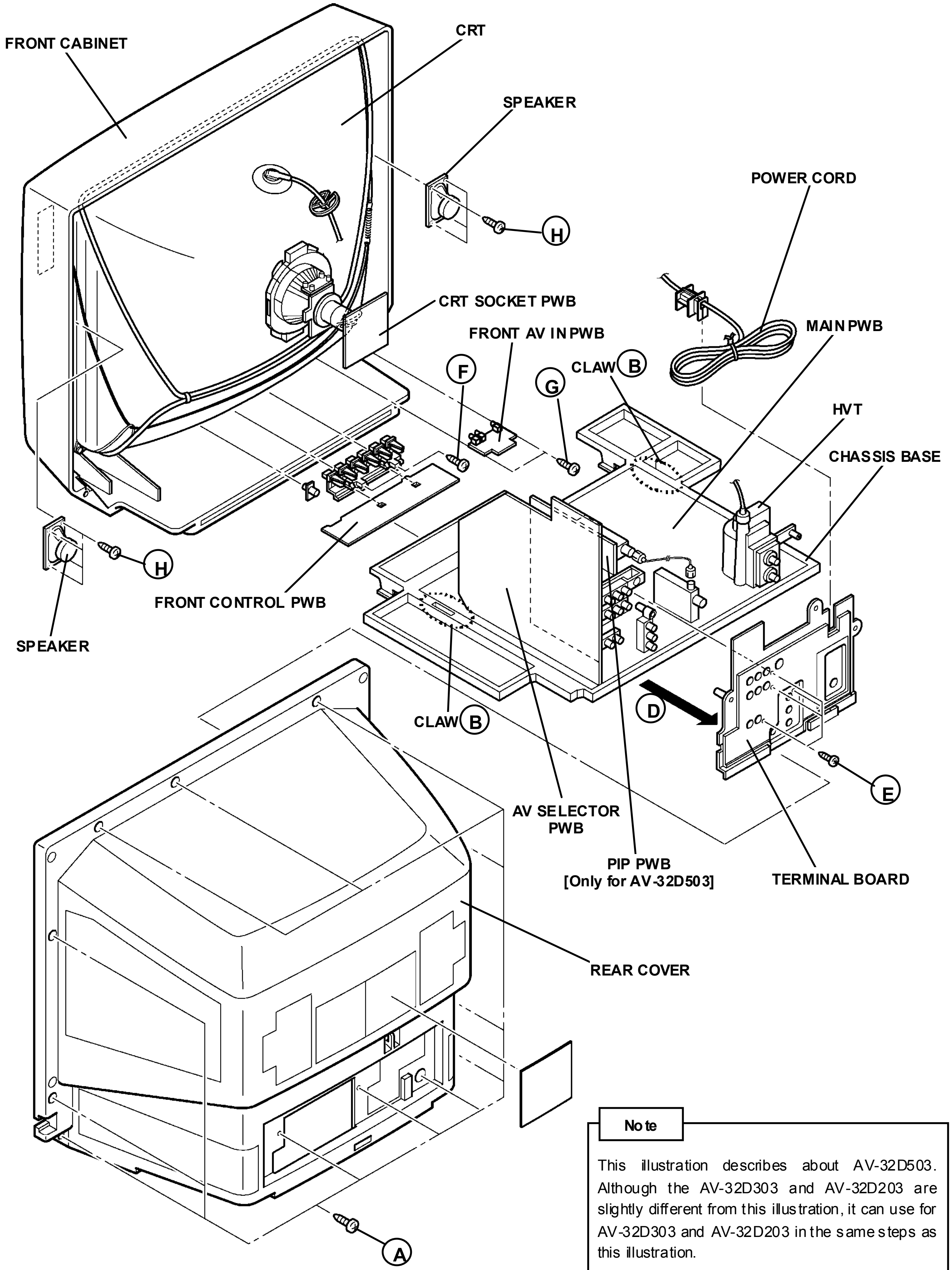


Fig. 1



Note
This illustration describes about AV-32D503. Although the AV-32D303 and AV-32D203 are slightly different from this illustration, it can use for AV-32D303 and AV-32D203 in the same steps as this illustration.

Fig.2

MEMORY IC REPLACEMENT

1. Memory IC

This model uses the memory IC.
This memory IC stores data for proper operation of the video/chroma and deflection circuits.
When replacing, be sure to use the IC containing initial setting data.

2. Memory IC replacement procedure

(1) Power off
Switch off the power and disconnect the power plug from the AC outlet.

(2) Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

(3) Power on
Connect the power plug to the AC outlet and switch on the power.

(4) System constant check and setting

①Press the **SLEEP TIMER** key and set SLEEP TIMER for 「0 min」.

②Before disappear the display of SLEEP TIMER settings, simultaneously press the **DISPLAY** key and **VIDEO STATUS** key of the remote control unit.
The SERVICE MENU screen of Fig.1 will be displayed.

③While the SERVICE MENU is displayed, select the SYSTEM(SYS) item with **CURSOR** ▼/▲ key and go into with ◀ / ▶ keys. Then the SYSTEM mode screen will be displayed as shown in Fig.2.

④Refer to the table of SYSTEM CONSTANT given in page later, and check the each item. If the value is different, select the setting item with the **CURSOR** ▼ /▲key, and setting with the **CURSOR** ◀/ ▶ keys. (The letters of the selected item are displayed in yellow.)

⑤When adjustment has completed, the values store into memory IC automatically.

⑥Press the **EXIT** key twice to return to the normal screen.

SERVICE MENU

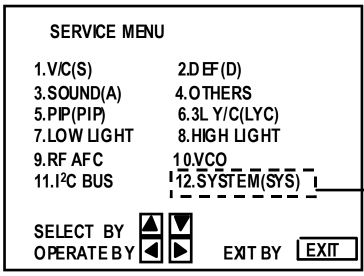


Fig.1

12. SYSTEM (SYS) MODE

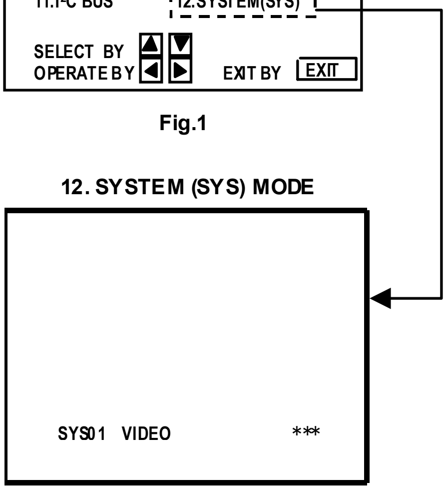


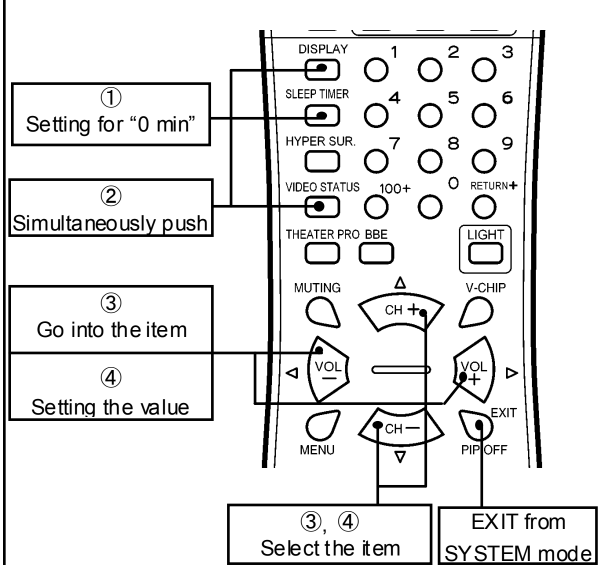
Fig.2

(5) Receiving channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

(6) User settings
Check the user setting items according to the Table 2 given in page later.
Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

(7) SERVICE MENU setting
Verify what to set in the SERVICE MENU, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

KEY ASSIGNMENT OF REMOTE CONTROL UNIT



Although this illustration of remote control unit is written about RM-C251 (AV-32D503), it can use for operating RM-C252 (AV-32D303, 203) as same key assignment.

VALUES OF SYSTEM CONSTANT (TABLE 1)

ITEM	CONTENTS	VARIABLE RANGE	INITIAL SETTING VALUE	
			AV-32D503	AV-32D303, 203
SYS01	VIDEO IN	0~4	3	3
SYS02	PIP	0~1	1	0
SYS03	3D Y/C	0~1	0	0
SYS04	Y CV	0~1	1	1
SYS05	CCD PCHK	0~1	1	1
SYS06	PURITY	0~1	0	0
SYS07	VM	0~1	0	0
SYS08	NOISE CR	0~1	0	0
SYS09	CLR TEMP	0~1	1	1
SYS10	THEATER	0~1	1	1
SYS11	THEATER PRO	0~1	1	1
SYS12	BBE	0~1	1	1
SYS13	HYP SURR	0~1	1	1
SYS14	16:9 MD	0~1	0	0
SYS15	HYP SCAN	0~1	1	1
SYS16	EZ SURF	0~1	1	0
SYS17	ID DISP	0~1	1	1
SYS18	COMPULINK	0~1	1	1
SYS19	CCD	0~1	1	1
SYS20	VCHIP	0~1	1	1
SYS21	VCHIP CA	0~1	1	1
SYS22	JVC LOGO	0~1	1	1
SYS23	CMP IN	0~1	1	1
SYS24	CXA1875	0~1	0	0

VALUES OF USER SETTING ITEMS (TABLE2)

Setting of switches on front panel and remote control unit

ITEM	INITIAL SETTING VALUE	ITEM	INITIAL SETTING VALUE
POWER	OFF	DISPLAY	OFF
CHANNEL	CABLE CH-02	VIDEO STATUS	DYNAMIC
VOLUME	10	PIP SOURCE	CABLE CH-04 [Only AV-32D503]
INPUT	TV	PIP POSITION	Left lower side [Only AV-32D503]
HYPER SURROUND	OFF	SLEEP TIMER	0
BBE	ON		

Setting of MENU screen

PICTURE ADJUST		INITIAL SETUP	
TINT	CENTER	LANGUAGE	ENG
COLOR	CENTER	FRONT PANEL LOCK	OFF
PICTURE	+8	V2 COMPONENT-IN	NO
BRIGHT	CENTER	AUTO SHUT OFF	OFF
DETAIL	+10	XDS ID	ON
COLOR TEMPERATURE	HIGH	CLOSED CAPTION	OFF
NOISE MUTING	ON		CAPTION : CC1
			TEXT : T1
SOUND ADJUST		AUTO TUNER SET UP	TUNER MODE : CABLE
BASS	CENTER	CHANNEL SUMMARY	Unnecessary to set
TREBLE	CENTER	V-CHIP	OFF
BALANCE	CENTER	SET US TV RATINGS	ALL CLEAR
MTS	STEREO	SET MOVIE RATINGS	ALL CLEAR
CLOCK / TIMERS		SET CANADIAN RATINGS ENG	ALL CLEAR
SET CLOCK	MANUAL	SET CANADIAN RATINGS FRE	ALL CLEAR
	TIME ZONE : PACIFIC	UNRATED	VIEW
	D.S.T : OFF	SET LOCK CODE	“0000”
ON/OFF TIMER	OFF		

SERVICE ADJUSTMENTS

BEFORE STARTING SERVICE ADJUSTMENT

1. **There are 2 way of adjusting this TV: One is with the remote control unit and the other is the conventional method using adjustment parts and components.**
2. **The adjustment with the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to its optimum condition may differ from the initial setting values.**
3. Make sure that connection is correctly made to AC power source.
4. Turn on the power of the set and equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
5. Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
6. Never touch any adjustment parts, which are not specified in the list for this adjustment VRs, transforms, condensers, etc.
7. Preparation for adjustment
   Unless otherwise specified in the adjustment instructions, preset the following functions with the REMOTE CONTROL UNIT.

User menu preset value

MENU ITEM	PRESET VALUE
VIDEO STATUS	STANDARD
TINT, COLOR, PICTURE BRIGHT, DETAIL	CENTER
NOISE MUTING	OFF
COLOR TEMPERATURE	LOW
PIP [Only for AV-32D503]	OFF
BASS, TREBLE, BALANCE	CENTER
HYPER SURROUND	OFF
MTS	STEREO

MEASURING INSTRUMENT AND FIXTURES

1. DC voltmeter (or digital voltmeter)
2. Oscilloscope
3. Signal generator (Pattern generator) [NTSC]
4. Remote control unit
5. TV audio multiplex signal generator
6. Frequency counter

ADJUSTMENT ITEMS

BASIC ADJUSTMENT

- Check of B1 power supply
- MAIN / SUB VCO adjustment
- RF AGC adjustment
- FOCUS adjustment

DEFLECTION CIRCUIT ADJUSTMENT

- V. CENTER / V SIZE adjustment
- H SIZE / H POSITION / SIDE PINCUSHION adjustment

VIDEO / CHROMA CIRCUIT ADJUSTMENT

- WHITE BALANCE adjustment ～LOW LIGHT～
- WHITE BALANCE adjustment ～HIGH LIGHT～
- SUB BRIGHT adjustment
- SUB CONTRAST adjustment
- SUB COLOR adjustment
- SUB TINT adjustment

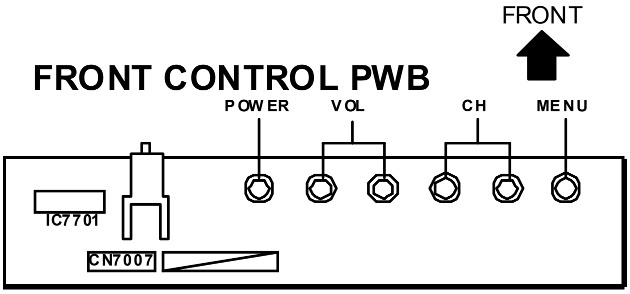
PIP CIRCUIT ADJUSTMENT

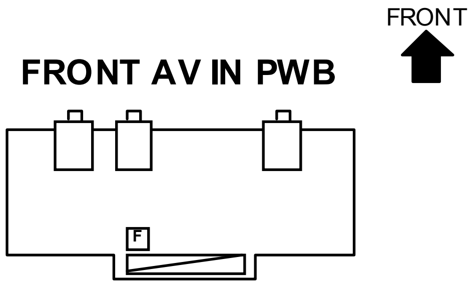
- WHITE BALANCE adjustment ～HIGH LIGHT～
- DISPLAY POSITION adjustment

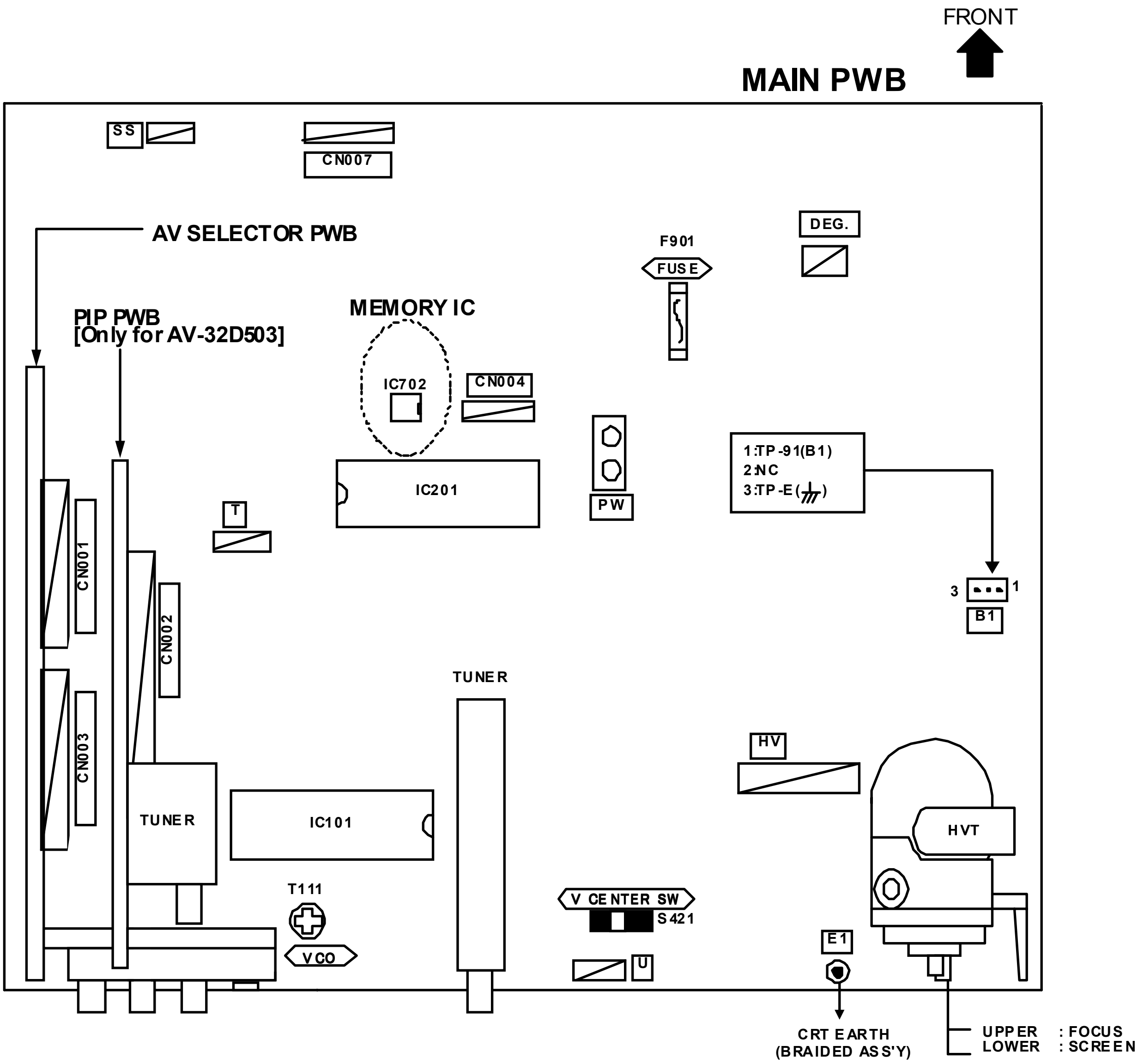
MTS CIRCUIT ADJUSTMENT

- INPUT LEVEL check
- SEPARATION adjustment

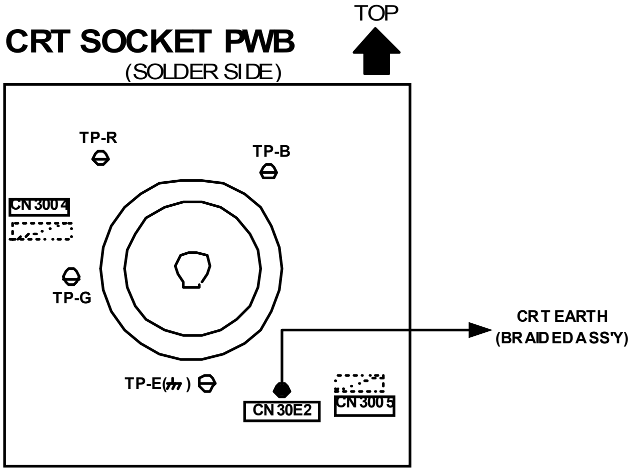
ADJUSTMENT LOCATIONS



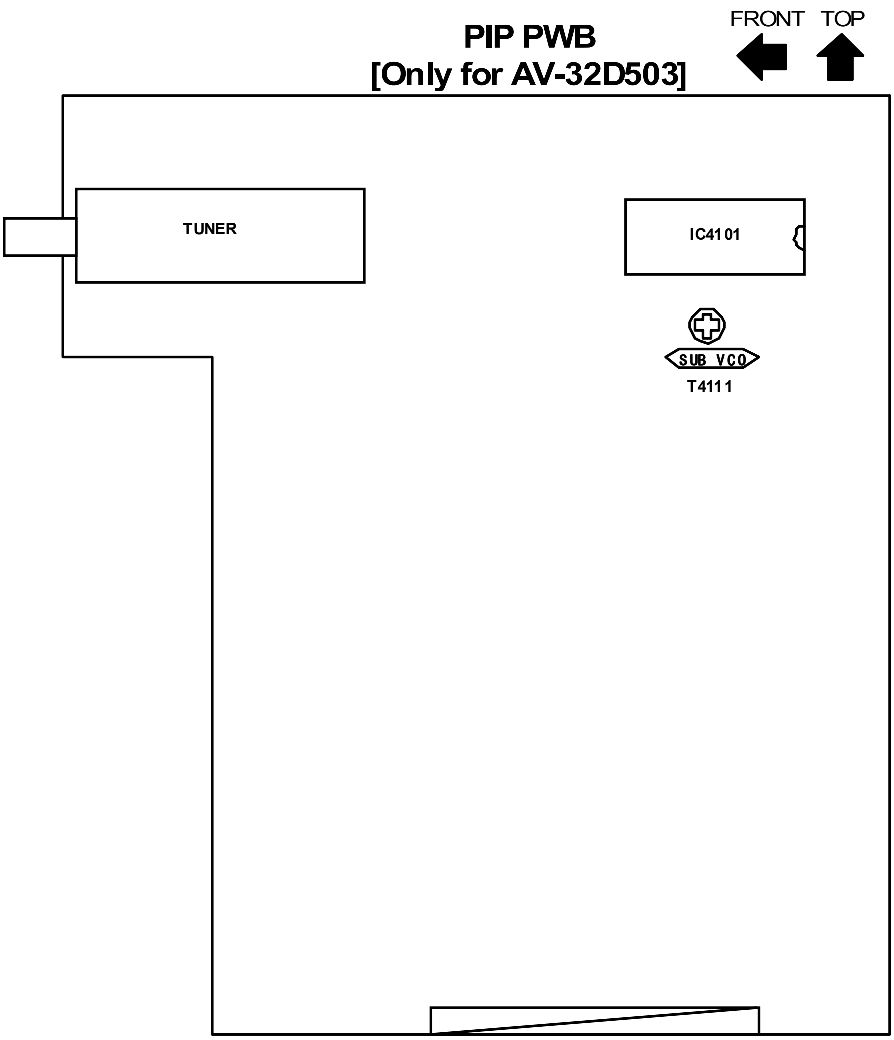




CRT SOCKET PWB
(SOLDER SIDE)



PIP PWB
[Only for AV-32D503]



BASIC OPERATION OF SERVICE MENU

1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. SERVICE MENU ITEMS

With the SERVICE MENU, various settings (adjustments) can be made, and they are broadly classified in the following items of adjustments.

- **(1) V/C(S)** ······ VIDEO / CHROMA related circuit adjustment mode
- **(2) DEFLECTION(D)** ······ DEFLECTION related circuit adjustment mode
- **(3) SOUND(A)** ······ SOUND related circuit adjustment mode
- **(4) OTHERS(F)** ······ Whole system related items adjustment mode
- **(5) PIP(PIP)[Only for AV-32D503]** ······ PIP related circuit adjustment mode
- **(6) 3L Y/C(LYC)** ······ 3 line YC separation related circuit adjustment mode
- **(7) LOW LIGHT** ······ White balance of “LOW LIGHT” adjustment mode
- **(8) HIGH LIGHT** ······ White balance of “HIGH LIGHT” adjustment mode
- **(9) RF AFC** ······ RF AFC related circuit adjustment mode
- **(10) VCO** ······ VCO related circuit adjustment mode
- **(11) I²C BUS** ······ I²C bus related circuit adjustment mode **[Fixed on]**
- **(12) SYSTEM(SYS)** ······ This mode is used when setting up the whole system.

3. BASIC OPERATION OF SERVICE MENU

(1) How to enter SERVICE MENU

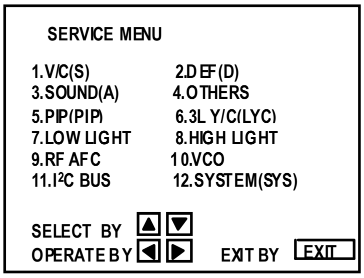
Press the **SLEEP TIMER** key and set the **SLEEP TIMER** for **[0 MIN]**.

Then press the **DISPLAY** key and the **VIDEO STATUS** key of the remote control unit simultaneously, and the SERVICE MENU screen will be displayed as shown below.

(2) Selection of SUB MENU SCREEN

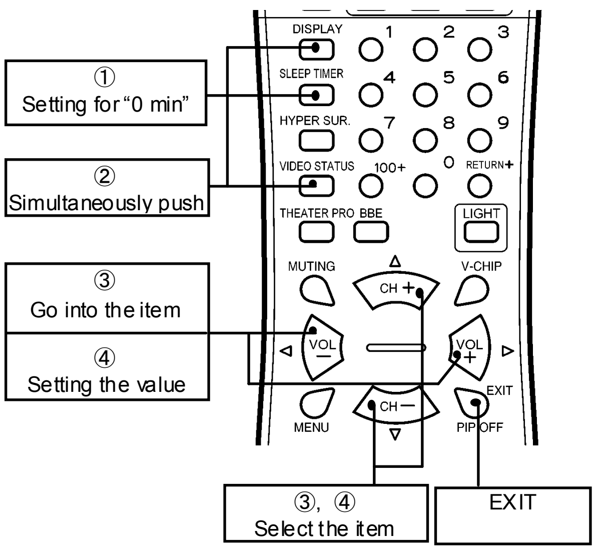
In SERVICE MENU, press the **CURSOR ▲/▼** key to select any of the SUB MENU items. (The letters of the selected items are displayed in yellow)

If an item like to set up becomes yellow, the **CURSOR ◀ / ▶** key will be pushed and it will go into the mode.

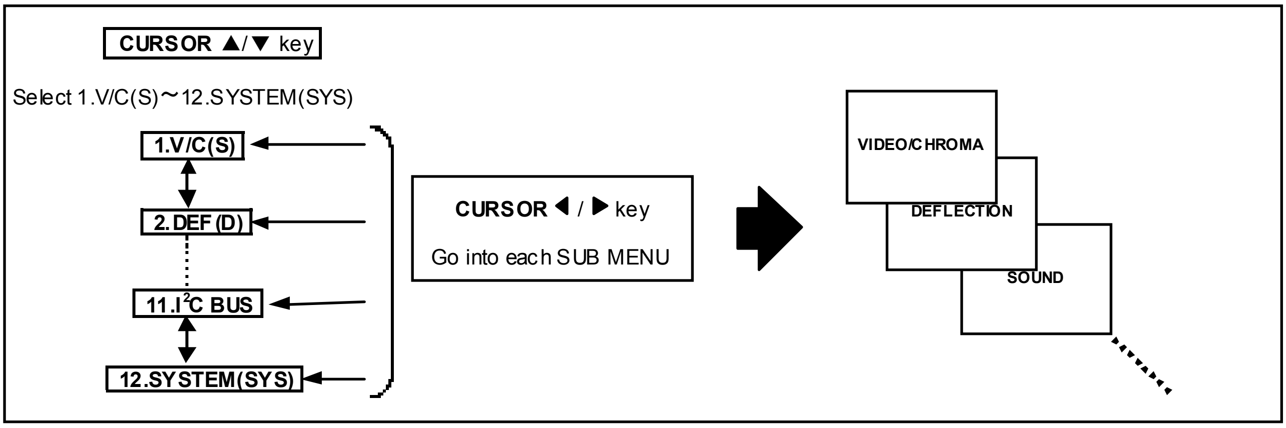


SERVICE MENU

KEY ASSIGNMENT OF REMOTE CONTROL UNIT



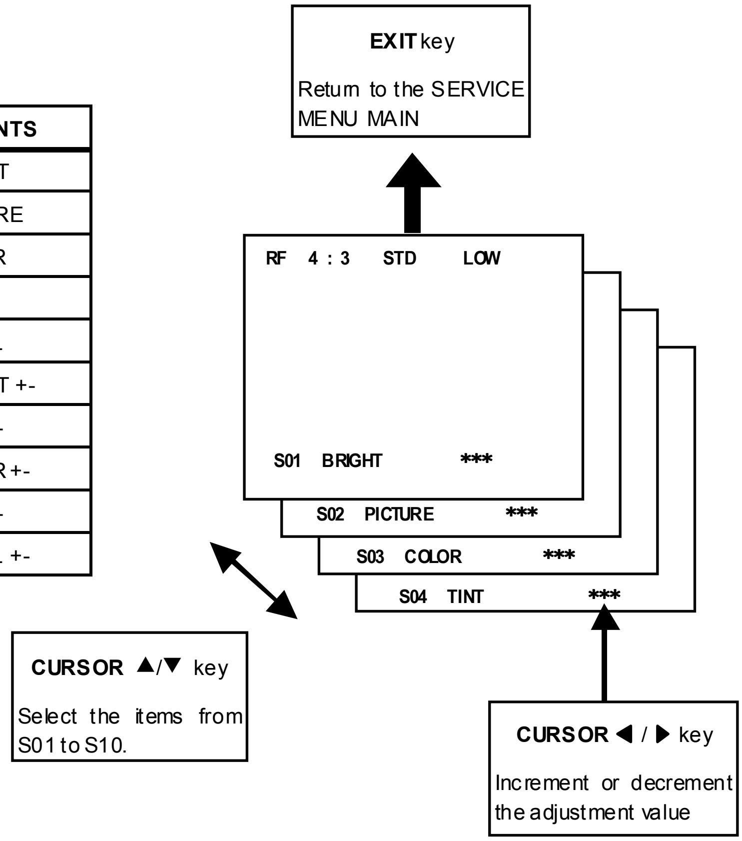
Although this illustration of remote control unit is written about RM-C251 (AV-32D503), it can use for operating RM-C252 (AV-32D303, 203) as same key assignment



(3) Method of Setting

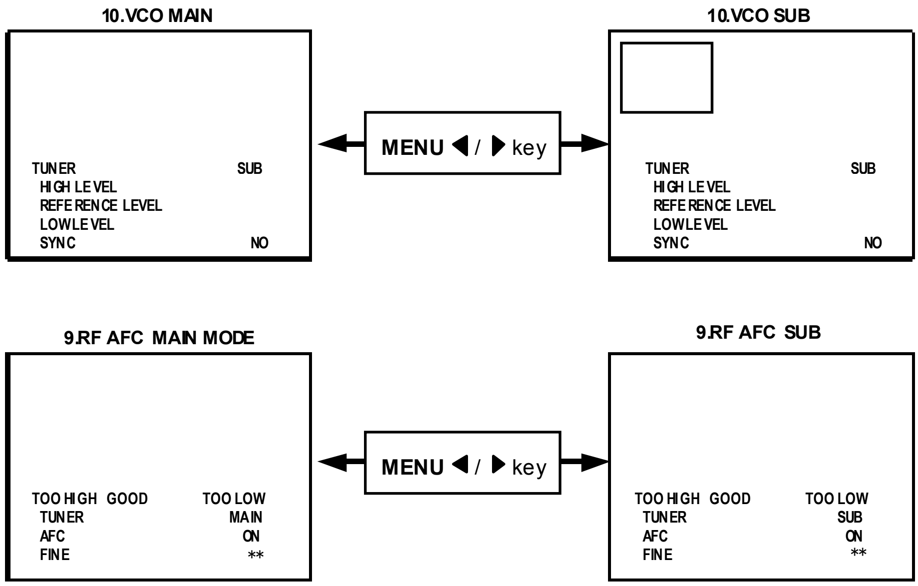
For example, the operation in the case of setting up VIDEO/CHROMA is expressed below.

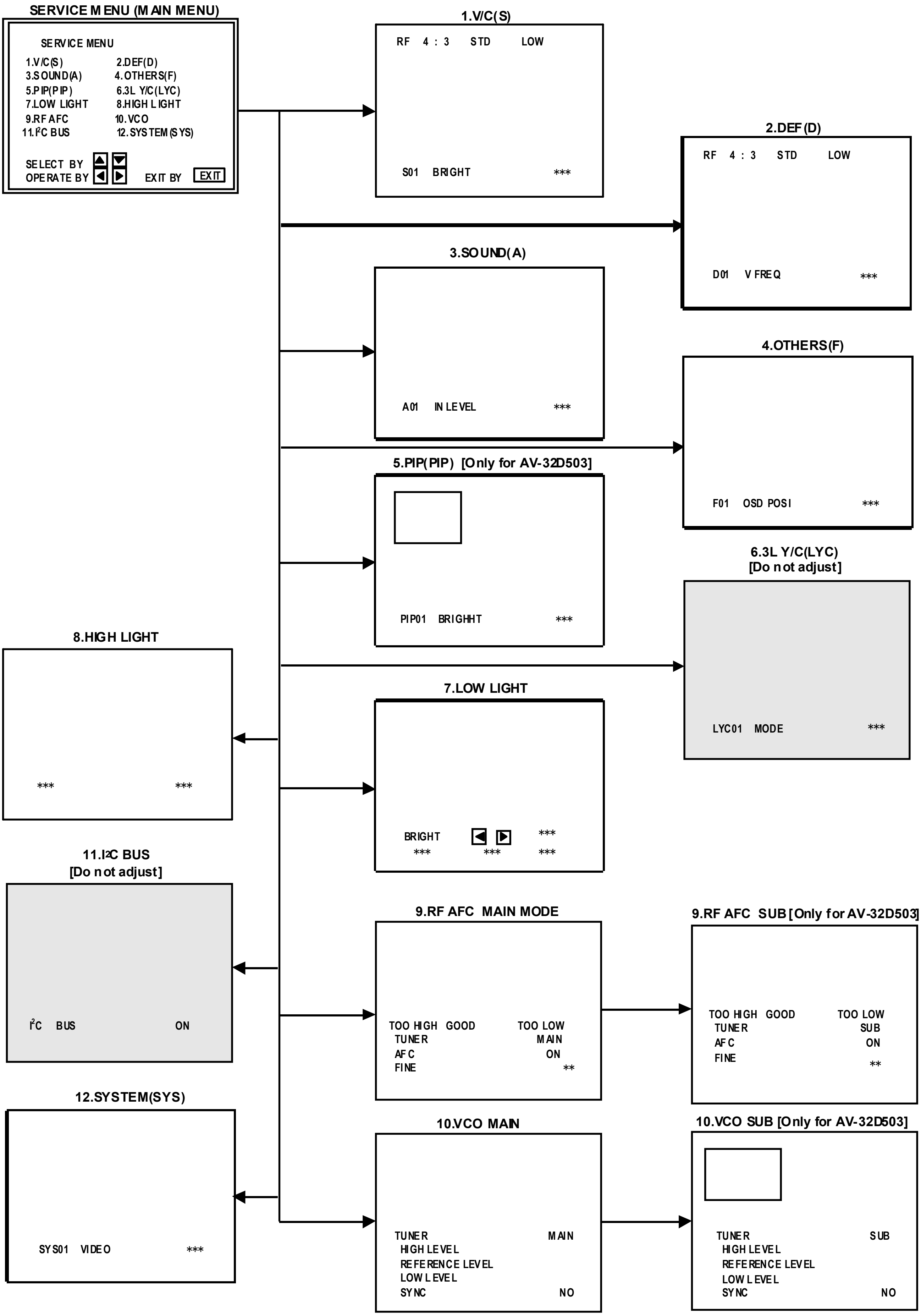
ITEM	CONTENTS
S01	BRIGHT
S02	PICTURE
S03	COLOR
S04	TINT
S05	DETAIL
S06	BRIGHT +-
S07	PICT +-
S08	COLOR +-
S09	TINT +-
S10	DETAIL +-



(4) Others [Only for AV-32D503]

If go into the 9.RF AFC and 10.VCO items, there will be display the RF AFC MAIN screen and VCO MAIN screen. Then press the **CURSOR** ◀ / ▶ key, the RF AFC SUB screen and VCO SUB screen is displayed.




SERVICE MENU (MAIN MENU)
SERVICE MENU
1.V/C(S) 2.DEF(D)
3.SOUND(A) 4.OTHERS(F)
5.PIP(PIP) 6.3L Y/C(LYC)
7.LOW LIGHT 8.HIGH LIGHT
9.RF AFC 10.VCO
11.I²C BUS 12.SYSTEM(SYS)
SELECT BY
OPERATE BY
EXIT BY EXIT
1.V/C(S)
RF 4 : 3 STD LOW
S01 BRIGHT ***
2.DEF(D)
RF 4 : 3 STD LOW
D01 V FREQ ***
3.SOUND(A)
A01 IN LEVEL ***
4.OTHERS(F)
F01 OSD POSI ***
5.PIP(PIP) [Only for AV-32D503]
PIP01 BRIGHHT ***
6.3L Y/C(LYC)
[Do not adjust]
LYC01 MODE ***
8.HIGH LIGHT
*** ***
7.LOW LIGHT
BRIGHT ***
*** *** ***
11.I²C BUS
[Do not adjust]
I²C BUS ON
9.RF AFC MAIN MODE
TOO HIGH GOOD TOO LOW
TUNER MAIN
AFC ON
FINE **
9.RF AFC SUB [Only for AV-32D503]
TOO HIGH GOOD TOO LOW
TUNER SUB
AFC ON
FINE **
12.SYSTEM(SYS)
SYS01 VIDEO ***
10.VCO MAIN
TUNER MAIN
HIGH LEVEL
REFERENCE LEVEL
LOW LEVEL
SYNC NO
10.VCO SUB [Only for AV-32D503]
TUNER SUB
HIGH LEVEL
REFERENCE LEVEL
LOW LEVEL
SYNC NO

INITIAL SETTING VALUE OF SERVICE MENU

1. Adjustment of the SERVICE MENU is made on the basis of the initial setting values ; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
2. Do not change the initial setting values not listed in "ADJUSTMENT".

V / C(S) MODE

No	Setting item	Variable range	RF STANDARD	RF THEATER	S-VIDEO COMPOSITE VIDEO STANDARD
S01	BRIGHT	0～127	64	--	--
S02	PICTURE	0～127	55	--	--
S03	COLOR	0～127	55	--	--
S04	TINT	0～127	64	--	--
S05	DETAIL	0～63	37	--	35
S06	BRIGHT +-	-32～+32	--	+1	-2 [503] / ±0 [303, 203]
S07	PICT+-	-32～+32	--	-10	±0
S08	COLOR +-	-32～+32	--	-3	-2
S09	TINT+-	-32～+32	--	-3	+2
S10	DETAIL+-	-32～+32	--	±0	--

No	Setting item	Variable range	COMPONENT INPUT / STANDARD		
			AV-32D503 /Y AV-32D303 /Y AV-32D203 /Y	AV-32D503 /R AV-32D303 /R AV-32D203 /R	AV-32D503 /M AV-32D303 /M AV-32D203 /M
S03	COLOR	0～127	58	62	62
S04	TINT	0～127	78	68	70
S05	DETAIL	0～63	40	40	40
S06	BRIGHT +-	-32～+32	-1 [503] / -3 [303, 203]	-1 [503] / -3 [303, 203]	-1 [503] / -3 [303, 203]
S07	PICT+-	-32～+32	±0	±0	±0

No	Setting item	Variable range	RF / S-VIDEO / COMPOSITE VIDEO				COMPONENT INPUT			
			STANDARD		THEATER		STANDARD		THEATER	
			LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
S11	R CUT OFF	0～255	30	--	--	--	--	--	--	--
S12	G CUT OFF	0～255	30	--	--	--	--	--	--	--
S13	B CUT OFF	0～255	30	--	--	--	--	--	--	--
S14	R DRIVE	0～127	64	--	--	--	--	--	--	--
S15	B DRIVE	0～127	64	--	--	--	--	--	--	--
S16	R CUT+-	-128～+127	--	±0	±0	±0	-10	--	--	--
S17	G CUT+-	-128～+127	--	±0	±0	±0	±0	--	--	--
S18	B CUT+-	-128～+127	--	±0	±0	±0	-10	--	--	--
S19	R DRV+-	-128～+127	--	+5	+13	+7	±0	--	--	--
S20	B DRV+-	-128～+127	--	+6	-25	-9	±0	--	--	--
S21	NTSC MAT	0～3	3	3	1	1	2	2	1	1
S22	BLACK ST	0～3	1	--	1	--	--	--	--	--
S23	DCREST	0～1	1	--	1	--	--	--	--	--
S24	DCRSW	0～1	1	--	1	--	--	--	--	--

No	Setting item	Variable range	RF	S-VIDEO COMPOSITE VIDEO	COMPONENT INPUT
S25	ASY SHRP	0～7	5	4	4
S26	BPF FO	0～1	0	0	--
S27	KILR OFF	0～1	0	0	--
S28	KILR SEN	0～1	1	1	--

No	Setting item	Variable range	Initial setting value	No	Setting item	Variable range	Initial setting value
S29	RGB MUTE	0～1	0	S39	Y MUTE	0～1	0
S30	BLUE B	0～1	0	S40	SVM GAIN	0～3	0
S31	VIDEO SW	0～3	3	S41	SVM PH	0～3	0
S32	CMP ABCL	0～1	0	S42	WPL	0～1	0
S33	OSD ABL	0～1	0	S43	COL GMM	0～1	0
S34	OSD CONT	0～63	10	S44	V1 GAIN	0～7	4
S35	SUB CONT	0～15	8	S45	AGC ADJ	0～127	63
S36	ABL GAIN	0～3	0	S46	VMOFF DE	-128～+127	±0
S37	ABL PNT	0～3	3	S47	APC CLK	0～1	1
S38	Y GAMMA	0～3	1				

SOUND MODE

No	Setting item	Variable range	Initial setting value	No	Setting item	Variable range	Initial setting value
A01	IN LEVEL	0～15	10	A04	SAPC	0 / 1	0
A02	LOW SEP	0～63	32	A05	BBE BASS	-128～+127	+3
A03	HI SEP	0～63	32	A06	BBE TRE	-128～+127	-4

3L Y / C MODE (Do not adjust)

No	Variable range	Initial setting value	No	Variable range	Initial setting value
LYC01	0～7	4	LYC07	0～1	1
LYC02	0～7	1	LYC08	0～3	0
LYC03	0～1	0	LYC09	0～1	1
LYC04	0～1	0	LYC10	0～1	0
LYC05	0～15	2	LYC11	0～1	0
LYC06	0～1	0	LYC12	0～1	0

DEF MODE

No	Setting item	Variable range	AV-32D503 /Y AV-32D303 /Y AV-32D203 /Y		AV-32D503 /R AV-32D303 /R AV-32D203 /R		AV-32D503 /M AV-32D303 /M AV-32D203 /M	
			RF	S-VIDEO COMPOSITE	RF	S-VIDEO COMPOSITE	RF	S-VIDEO COMPOSITE
D01	V FREQ	0～3	0	3	0	0	0	0
D02	AFC GAIN	0～3	0	2	0	0	0	0
D03	H POSI	0～31	16	16	16	16	16	16
D04	H POSI+-	-128～+127	--	--	--	--	--	--
D05	V PHASE	0～7	0	0	0	0	0	0
D06	V PH+-	-128～+127	--	--	--	--	--	--
D07	V SIZE	0～+127	70	70	70	70	70	70
D08	V SIZE+-	-128～+127	--	--	--	--	--	--
D09	V CENTER	0～63	32	32	32	32	32	32
D10	V CENT+-	-128～+127	--	--	--	--	--	--
D11	V S CORR	0～15	5	5	5	5	5	5
D12	V S CO+-	-128～+127	--	--	--	--	--	--
D13	V LIN	0～15	12	12	12	12	12	12
D14	V LIN+-	-128～+127	--	--	--	--	--	--
D15	H SIZE	0～63	32	32	32	32	32	32
D16	H SIZE+-	-128～+127	--	--	--	--	--	--
D17	WVMT TOP	0～3	0	0	0	0	0	0
D18	WVMT BTM	0～3	0	0	0	0	0	0
D19	EWCR TOP	0～31	12	12	12	12	12	12
D20	EWCR T+-	-128～+127	--	--	--	--	--	--
D21	EWCR BTM	0～31	15	15	15	15	15	15
D22	EWCR B+-	-128～+127	--	--	--	--	--	--
D23	EW PARA	0～63	36	36	36	36	36	36
D24	EW PARA+-	-128～+127	--	--	--	--	--	--
D25	V EHT	0～7	0	0	0	0	0	0
D26	V EHT+-	-128～+127	--	--	--	--	--	--
D27	H EHT	0～7	0	0	0	0	0	0
D28	H EHT+-	-128～+127	0	--	0	0	0	0
D29	TRAPEZ	0～63	35	35	35	35	35	35
D30	TRAPEZ+-	-128～+127	--	--	--	--	--	--
D31	V AGC	0～1	0	0	0	0	0	0
D32	BLANK SW	0～1	0	0	0	0	0	0
D33	VRMP BI	0～1	0	0	0	0	0	0

OTHERS MODE

No	Variable range	Initial setting value	No	Variable range	Initial setting value
F01	0～15	37	F15	0～63	0
F02	0～15	90	F16	0～63	10
F03	0～15	45	F17	0～63	20
F04	0～15	93	F18	0～255	2
F05	0～63	7	F19	-128～+127	+8
F06	0～1	0	F20	-128～+127	-4
F07	0～63	2	F21	-128～+127	-10
F08	0～2	0	F22	-128～+127	-16
F09	0～255	5	F23	0～1	0
F10	0～255	5	F24	0～2	0
F11	0～255	16	F25	0～255	255
F12	0～63	32	F26	0～255	40
F13	0～255	3	F27	0～255	15
F14	0～255	5	F28	0～1	1

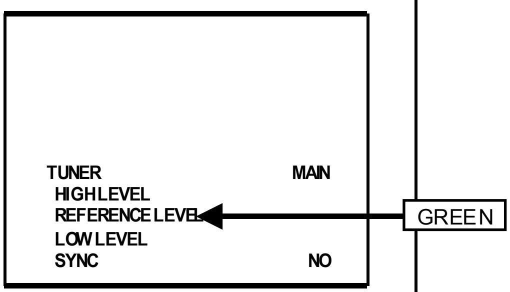
PIP MODE

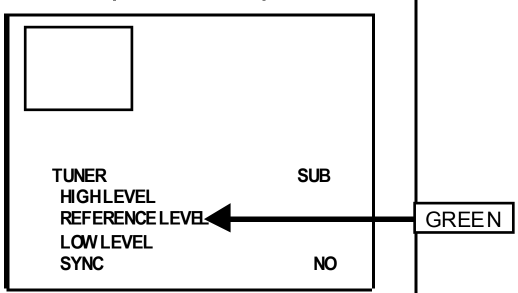
No	Setting item	Variable range	Initial setting value	No	Setting item	Variable range	Initial setting value
PIP01	BRIGHT	0～15	0	PIP28	MAT	0～1	1
PIP02	PICTURE	0～75	30	PIP29	YCOR	0～1	1
PIP03	TINT	0～63	42	PIP30	XFREQF	0～1	1
PIP04	COLOR	0～15	6	PIP31	WTCHDG	0～1	1
PIP05	R CUTOFF	0～15	0	PIP32	COLON	0～1	0
PIP06	G CUTOFF	0～15	0	PIP33	ACQNEW	0～1	0
PIP07	B CUTOFF	0～15	0	PIP34	DSTDET	0～1	1
PIP08	R DRIVE	0～255	63	PIP35	CRIBEOK	0～1	0
PIP09	G DRIVE	0～255	65	PIP36	FCBEOK	0～1	0
PIP10	B DRIVE	0～255	65	PIP37	NOCRID	0～1	0
PIP11	L POSI	0～255	22	PIP38	NONSED	0～1	0
PIP12	R POSI	0～255	15	PIP39	PIP ADJ	0～15	5
PIP13	UPR POSI	0～127	12	PIP40	BRI EXT	-128～+127	0
PIP14	LWR POSI	0～127	11	PIP41	PCT EXT	-128～+127	0
PIP15	PICT LCK	0～1	1	PIP42	TNT EXT	-128～+127	0
PIP16	SELDEL	0～15	0	PIP43	COR EXT	-128～+127	0
PIP17	AGCFIX	0～1	1	PIP44	R-D EXT	-128～+127	0
PIP18	AGCADST	0～1	0	PIP45	G-D EXT	-128～+127	0
PIP19	AGC	0～15	7	PIP46	B-D EXT	-128～+127	0
PIP20	BLKINVB	0～1	0	PIP47	BRT COMP	-128～+127	0
PIP21	BLKINVR	0～1	0	PIP48	PCT COMP	-128～+127	0
PIP22	VSPDEL	0～31	0	PIP49	TNT COMP	0～63	40
PIP23	VSPISQ	0～1	1	PIP50	COR COMP	0～15	5
PIP24	RGBIN	0～1	0	PIP51	R-D COMP	-128～+127	0
PIP25	FRSEL	0～1	1	PIP52	G-D COMP	-128～+127	0
PIP26	OUTFOR	0～1	0	PIP53	B-D COMP	-128～+127	0
PIP27	UVPOLAR	0～1	0				

ADJUSTMENTS

BASIC ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
Check of B1 power supply	**DC Voltmeter**	**1 : TP-91** **3 : TP-E(⏚)** **B1 connector**		1. Receive the black and white signal. (color off) 2. Connect the DC voltmeter to B1 connector 1 pin (TP-91) and TP-E(⏚). 3. Confirm that the voltage is DC134V ± 2V.
MAIN VCO adjustment	**Remote control unit**		**VCO (MAIN)** **[SERVICE MENU]** **CW TRANSF.** **[MAIN PWB]**	● Under normal conditions, no adjustment is required. And it must not adjust without signal. 1. Receive the NTSC broadcast. 2. Select the 10 VCO mode from the SERVICE MENU. 3. It checks that turn the CW TRANSF. and the character of "HIGH LEVEL" changes the color. 4. Next, it check that turn the CW TRANSF. on the contrary and the color of "LOW LEVEL" changed. 5. At this time, it checks that "SYNC" is "YES". 6. Turn the CW TRANSF. and it is made for the character of "REFERENCE LEVEL" to become green. Again, it checks that "SYNC" is "YES".
SUB VCO adjustment **Only for AV-32D503**	**Remote control unit**		**VCO (SUB)** **[SERVICE MENU]** **SUB CW TRANSF.** **[PIP PWB]**	● Under normal conditions, no adjustment is required. And it must not adjust without signal. 1. Receive the NTSC broadcast. 2. Push the PIP key on the remote control unit. And display any broadcast program in the PIP screen that difference from MAIN screen. 3. Select the **10 VCO** mode and switch the SUB mode by pressing the **CURSOR** ◀ / ▶ key. 4. It checks that turn the SUB CW TRANSF. and the character of "HIGH LEVEL" changes the color. 5. Next, it check that turn the SUB CW TRANSF. on the contrary and the color of "LOW LEVEL" changed. 6. At this time, it checks that "SYNC" is "YES". 7. Turn the SUB CW TRANSF. and it is made for the character of "REFERENCE LEVEL" to become green. Again, it checks that "SYNC" is "YES".

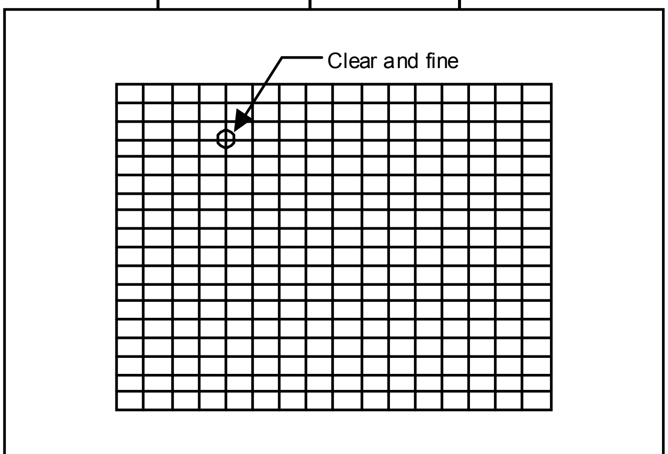




Item	Measuring instrument	Test point	Adjustment part	Description
RF AGC adjustment	**Remote control unit**		**S45 AGC ADJ [V/C(S) mode]**	1. Receive the broadcast. 2. Enter to the V/C(S) mode from SERVICE MENU. 3. Select the **S45 AGC ADJ** item. 4. Press the **MUTING** key and turn the color to off. 5. With the **CURSOR ◀** key to get the noise in the screen picture (zero side of setting value). 6. Press the **CURSOR ▶** key several times and step when noise disappears from the screen. At this time, not to increase the value too much. 7. Change to other channels and make sure that there is no irregularity. 8. Press the **MUTING** key and get color out.

Adjustment item	Variable range	Initial setting value
S45 AGC ADJ	0～127	63

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS adjustment	**Signal generator**		**FOCUS VR [In FBT]**	1. Receive the crosshatch signal. 2. While looking at the screen, adjust the FOCUS VR to the vertical and horizontal lines will be clear and make fine in a detail. 3. Make sure that the picture is in focus even when the screen gets darkened.

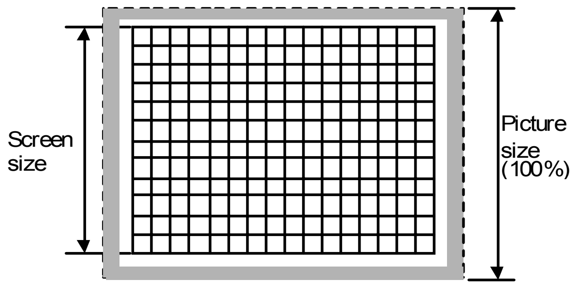


DEFLECTION CIRCUIT ADJUSTMENT

The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Item	Measuring instrument	Test point	Adjustment part	Description
V. CENTER V. SIZE adjustment	**Signal generator** **Remote control unit**		**D05 V PHASE** **D07 V SIZE** **[DEF(D) mode]** **V. CENTER SW** **[MAIN PWB]**	1. Receive the crosshatch signal. 2. Enter to the DEF(D) mode from SERVICE MENU. 3. Select the **D05 V PHASE**, and it checks that the value of **D05 V PHASE** is 0. 4. Adjust the V. CENTER SW to become the signal center agree with the CRT vertical center. 5. Then adjust the **D07 V SIZE** to the vertical screen size become the values given below table (bottom of screen is to be located within the 85%～95% range).

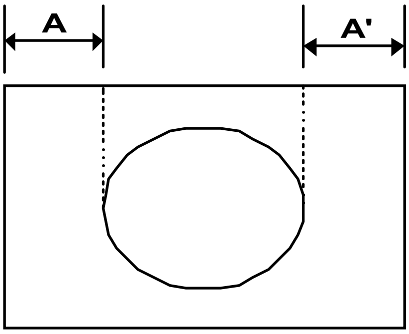
Adjustment item	Initial setting value		
	AV-32D503 /Y AV-32D303 /Y AV-32D203 /Y	AV-32D503 /R AV-32D303 /R AV-32D203 /R	AV-32D503 /M AV-32D303 /M AV-32D203 /M
D05 V PHASE	0	0	0
D07 V SIZE	70	70	70



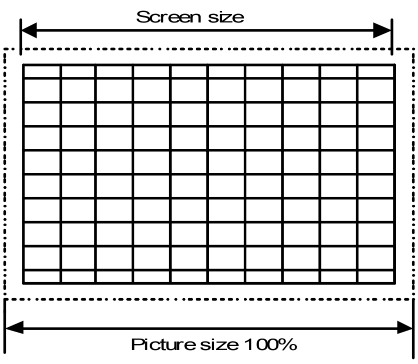
VERTICAL SIZE ADJUSTMENT

MODEL NAME	VERTICAL SCREEN SIZE
AV-32D503 /Y AV-32D303 /Y AV-32D203 /Y	92.0%
AV-32D503 /R AV-32D303 /R AV-32D203 /R	92.0%
AV-32D503 /M AV-32D303 /M AV-32D203 /M	92.0%

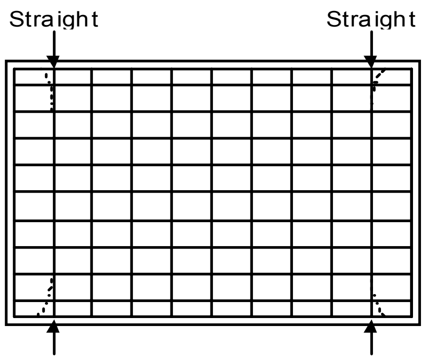
Item	Measuring instrument	Test point	Adjustment part	Description
H SIZE H. POSITION SIDE PINCUSHION adjustment	**Signal generator** **Remote control unit**		**D03 H POSITION D15 H SIZE D23 EW PARA D19 EWCR TOP D21 EWCR BTM [DEF(D) mode]**	1. Receive the crosshatch signal. 2. Adjust left-right center with **D03 H POSITION** to become screen center agree with CRT center (A=A' as shown in figure). 3. Adjust the horizontal size with **D15 H SIZE** to become the value given below. 4. Adjust the **D23 EW PARA** to the vertical lines become straight. 5. It check that, horizontal size is not illegal. 6. When the vertical lines of 4 corner does not turn into a straight, adjusts them with **D19 EWCR TOP** and **D21 EWCR BTM** to correctly.



H POSITION ADJUSTMENT



HORIZONTAL SIZE ADJUSTMENT



SIDE PINCUSHION ADJUSTMENT

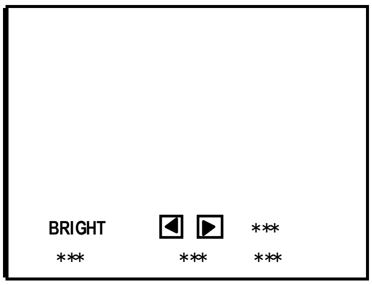
Adjustment item	Initial setting value		
	AV-32D503 /Y AV-32D303 /Y AV-32D203 /Y	AV-32D503 /R AV-32D303 /R AV-32D203 /R	AV-32D503 /M AV-32D303 /M AV-32D203 /M
D03 H POSITION	16	16	16
D15 H SIZE	32	32	27
D23 EW PARA	37	32	27
D19 EW CR TOP	13	13	13
D21 EW CR BTM	14	14	14

MODEL NAME	HORIZONTAL SCREEN SIZE
AV-32D503 /Y AV-32D303 /Y AV-32D203 /Y	92.0%
AV-32D503 /R AV-32D303 /R AV-32D203 /R	92.0%
AV-32D503 /M AV-32D303 /M AV-32D203 /M	92.0%

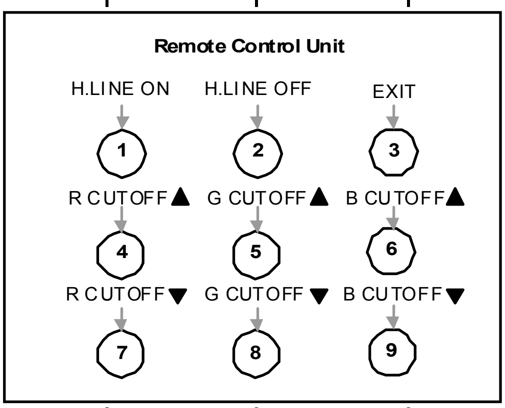
VIDEO / CHROMA CIRCUIT ADJUSTMENT

The adjustment using the remote control unit is made on the basis of the initial setting values.
The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
Do not change the initial setting values not listed in “ADJUSTMENT”.

Item	Measuring instrument	Test point	Adjustment item	Description
WHITE BALANCE (Low Light) adjustment	**Signal generator** **Remote control unit**		**LOW LIGHT** **BRIGHT (S01)** **[SERVICE MENU]** **R CUTOFF(S11)** **G CUTOFF(S12)** **B CUTOFF(S13)** **SCREEN VR** **[In HVT]**	1. Receive a black and white signal (color off). 2. Select the LOW LIGHT MODE from the SERVICE MENU. 3. Confirm the initial setting value of BRIGHT. 4. Confirm the initial setting value of R CUTOFF, G CUTOFF and B CUTOFF. 5. If they are differ, set the S01, S11, S12 and S13 to the correct initial setting value in the 1 V/C(S) mode. 6. Display a single horizontal line by pressing the ① key of the remote control unit. 7. Turn the screen VR all the way to the left. 8. Turn the screen VR gradually to the right from the left until either one of the red, blue or green colors appears faintly. 9. Use keys ④~⑨ of the remote control unit and adjust the other 2 colors which except the appeared color to where the single horizontal line appears white. 10. Turn the screen VR to where the single horizontal line glows faintly. 11. Press the ② key to release the single horizontal line. 12. Adjust the BRIGHT level to become the black component shines white slightly. 13. Confirm that whether the color ingredient of R, G or B is visible to the black component, which shines white slightly. 14. When the color ingredient can be seen, two colors other than a visible color are adjusted, and it is made to look white. 15. Return the value of BRIGHT to initial setting value. 16. Press the ③ key to exit the WHITE BALANCE MODE.



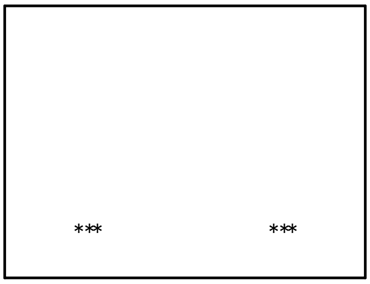
LOW LIGHT adjustment mode



Adjustment item	Variable range	Initial setting value
BRIGHT	0~127	64

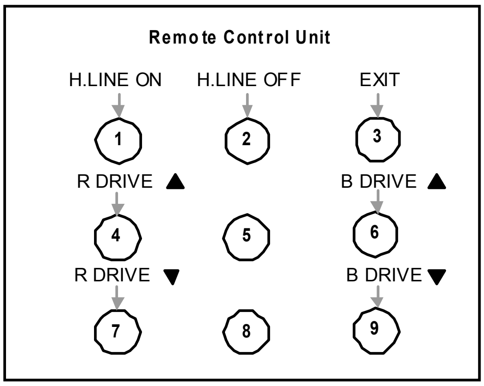
CUTOFF ADJUSTMENT	Variable range	Initial setting value
R CUTOFF (S11)	0 ~255	30
G CUTOFF (S12)	0 ~255	30
B CUTOFF (S13)	0 ~255	30

Item	Measuring instrument	Test point	Adjustment item	Description
WHITE BALANCE (High Light) adjustment	**Signal generator** **Remote control unit**		**HIGH LIGHT [SERVICE MENU]** **R DRIVE (S14)** **B DRIVE (S15)**	1. Receive the NTSC black and white signal (color off). 2. Select the HIGH LIGHT mode in the SERVICE MENU. 3. Confirm the initial setting value of "G DRIVE" and "B DRIVE". 4. If they are differ, set the S14 and S15 to the correct initial setting value in the 1 V/C(S) mode. 5. Adjust the screen color to white with the ④, ⑥, ⑦ and ⑨ keys of the remote control unit.



HIGH LIGHT adjustment

DRIVE ADJUSTMENT	Variable range	Initial setting value
R DRIVE (S14)	0 ~ 127	64
B DRIVE (S15)	0 ~ 127	64



Item	Measuring instrument	Test point	Adjustment item	Description
SUB BRIGHT adjustment	**Remote control unit**		**S01 BRIGHT**	● White balance (low light and high light) adjustment should be done. 1. Receive a NTSC broadcast. 2. Select the 1 V/C(S) mode from SERVICE MENU. 3. Select **S01 BRIGHT** of the V/C(S) mode in SERVICE MENU. 4. Confirm the initial setting value of the **S01 BRIGHT**. 5. If the brightness is not the best with the initial setting value, make fine adjustment of the **S01 BRIGHT** until you get the optimum brightness.

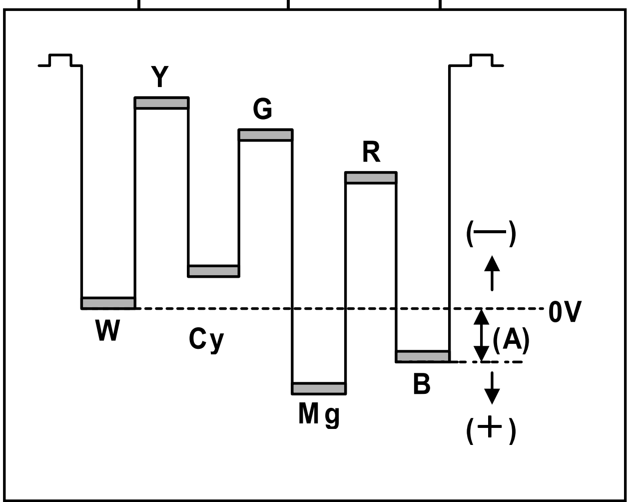
BRIGHT ADJUSTMENT	Variable range	Initial setting value
S01 BRIGHT	0 ~ 127	64

Item	Measuring instrument	Test point	Adjustment item	Description
SUB CONTRAST adjustment	**Remote control unit**		**S02 PICTURE**	● Bright adjustment should be done. 1. Receive a NTSC broadcast. 2. Select the 1 V/C(S) mode from SERVICE MENU. 3. Select **S02 PICTURE** of the V/C(S) mode in SERVICE MENU. 4. Confirm the initial setting value of the **S02 PICTURE**. 5. If the contrast is not the best with the initial setting value, make fine adjustment of the **S02 PICTURE** until you get the optimum contrast.

PICTURE ADJUSTMENT	Variable range	Initial setting value
S02 PICTURE	0 ~ 127	55

Item	Measuring instrument	Test point	Adjustment part	Description
SUB COLOR adjustment	**Remote control unit**		**S03 COLOR [V/C(S) mode]**	**[Method of adjustment without measuring instrument]** 1. Receive the broadcast. 2. Select the 1 V/C(S) mode from SERVICE MENU. 3. Select **S03 COLOR** of the V/C(S) mode. 4. Confirm the initial setting value of the **S03 COLOR**. 5. If the color is not the best with the Initial setting value, make fine adjustment of the **S03 COLOR** until you get the optimum color.
	Signal generator **Oscilloscope** **Remote control unit**	**TP-B** **TP-E(⏚)** **[CRT SOCKET PWB]**	**S03 COLOR [V/C(S) mode]**	**[Method of adjustment using measuring instrument]** 1. Input the full color bar signal includes the 75% white. 2. Select the 9 RF AFC mode from SERVICE MENU. 3. Turn the AFC item to off, and exit to the SERVICE MAIN MENU. 4. Select the 1 V/C(S) mode from SERVICE MENU. 5. Select **S03 COLOR** of the V/C(S) mode. 6. Confirm the initial setting value of the **S03 COLOR** given above. 7. Connect the oscilloscope between TP-B and TP-E. 8. Adjust **S03 COLOR** and bring the value of **(A)** in the illustration to the voltage shown in the table bellow (voltage difference between white and blue). 9. Exit to the SERVICE MAIN MENU. 10. Select the 9 RF AFC mode. 11. Turn the AFC item to on.

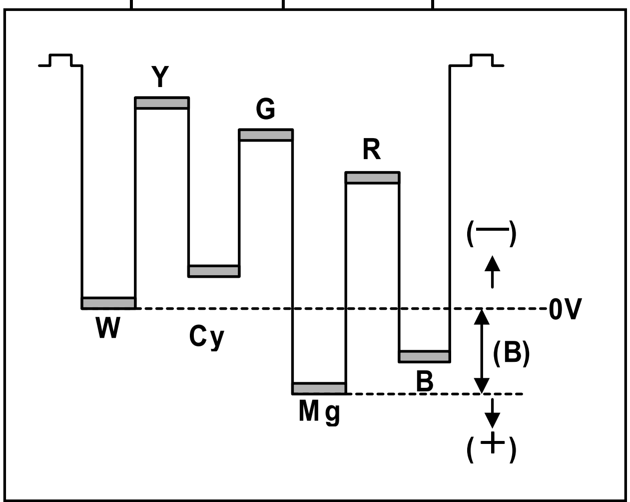
Adjustment item	Initial setting value
S03 COLOR	55



MODEL NAME	Voltage difference [V]
AV-32D503 /Y **AV-32D303 /Y** **AV-32D203 /Y**	+20V
AV-32D503 /R **AV-32D303 /R** **AV-32D203 /R**	+18V
AV-32D503 /M **AV-32D303 /M** **AV-32D203 /M**	+20V

Item	Measuring instrument	Test point	Adjustment part	Description
SUB TINT adjustment	**Remote control unit**		**S04 TINT [V/C(S) mode]**	**[Method of adjustment without measuring instrument]** 1. Receive the broadcast. 2. Select the 1 V/C(S) mode from SERVICE MENU. 3. Select **S04 TINT** of the V/C(S) mode. 4. Confirm the initial setting value of the **S04 TINT**. 5. If the tint is not the best with the Initial setting value, make fine adjustment of the **S04 TINT** until you get the optimum color.
	Signal generator **Oscilloscope** **Remote control unit**	**TP-B TP-E(⏚) [CRT SOCKET PWB]**	**S04 TINT [V/C(S) mode]**	**[Method of adjustment using measuring instrument]** 1. Input the full color bar signal includes the 75% white. 2. Select the 9 RF AFC mode from SERVICE MENU. 3. Turn the AFC item to off, and exit to the SERVICE MAIN MENU. 4. Select the 1 V/C(S) mode from SERVICE MENU. 5. Select **S04 TINT** of the V/C(S) mode. 6. Confirm the initial setting value of the **S04 TINT** given above. 7. Connect the oscilloscope between TP-B and TP-E. 8. Adjust **S04 TINT** and bring the value of **(B)** in the illustration to the voltage shown in the table bellow (voltage difference between white and magenta). 9. Exit to the SERVICE MAIN MENU. 10. Select the 9 RF AFC mode. 11. Turn the AFC item to on.

Adjustment item	Initial setting value
S04 TINT	64



MODEL NAME	Voltage diference [V]
AV-32D503 /Y **AV-32D303 /Y** **AV-32D203 /Y**	+12V
AV-32D503 /R **AV-32D303 /R** **AV-32D203 /R**	+2V
AV-32D503 /M **AV-32D303 /M** **AV-32D203 /M**	+4V

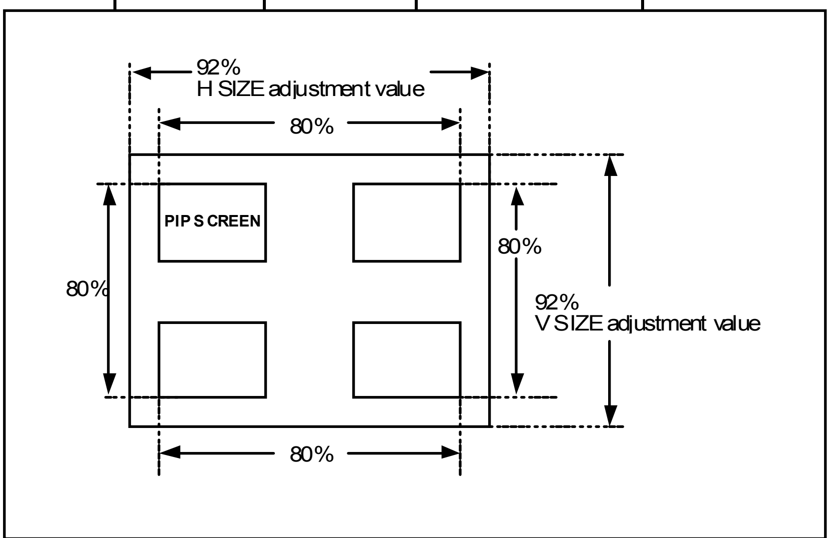
PIP CIRCUIT ADJUSTMENT [Only for AV-32D503]

Item	Measuring instrument	Test point	Adjustment part	Description
PIP WHITE BALANCE adjustment (HIGH LIGHT)	**Signal generator** **Remote control unit**		**PIP08 R DRIVE** **PIP10 B DRIVE** **[PIP(PIP) mode]**	1. Receive the black and white signal (color off). 2. Select the **5 PIP** mode from SERVICE MENU. 3. Select the **PIP08 R DRIVE, PIP10 B DRIVE** of the PIP mode. 4. Confirm the initial setting values of **PIP08** and **PIP10**. 5. Adjust the **PIP08 R DRIVE, PIP10 B DRIVE** until the screen becomes white.
PIP DISPLAY POSITION adjustment	**Signal generator** **Remote control unit**		**PIP11 L POSI** **PIP12 R POSI** **PIP13 UPR POSI** **PIP14 LWR POSI** **[PIP(PIP) mode]**	1. Receive the black and white signal (color off). 2. Select the **5 PIP** mode from SERVICE MENU. 3. Select the **PIP11 L POSI** of the PIP mode. 4. Confirm the initial setting value of the **PIP11 L POSI～PIP14 LWR POSI**. 5. Adjust the **PIP11 ～ PIP14** to become the each PIP screen outside edges positioned about the left mentioned values from screen edge.

Adjustment item	Initial setting value
PIP08 R DRIVE	63
PIP10 B DRIVE	65

Adjustment position	Adjustment value [Screen size
UPPER WIDTH	80%
LOWER WIDTH	80%
LEFT WIDTH	80%
RIGHT WIDTH	80%

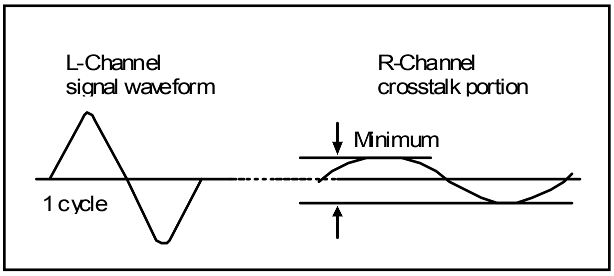
Adjustment item	Initial setting value
PIP11 L POSI	22
PIP12 R POSI	15
PIP13 UPR POSI	12
PIP14 LWR POSI	11



MTS CIRCUIT ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL check	**Remote control unit**		**A01 IN LEVEL [SOUND(A) mode]**	1. Select the **A01 IN LEVEL** of the SOUND mode. 2. Verify that the **A01 IN LEVEL** is set at its initial setting value.
MTS SEPARATION adjustment	**TV audio multiplex signal generator** **Oscilloscope** **Remote control unit**	**R OUT** **L OUT** **[AUDIO OUT]**	**A02 LOW SEP** **A03 HI SEP**	1. Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. 2. Connect an oscilloscope to R OUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal. 3. Select the **A02 LOW SEP** of the SOUND MODE. 4. Confirm the initial setting value of the **A02 LOW SEP**. 5. Adjust the **A02 LOW SEP** so that the stroke element of the 300Hz signal will become minimum. 6. Change the connection of the oscilloscope to L OUT pin of the AUDIO OUT, and enlarge the voltage axis. 7. Change the signal to 3kHz, and similarly adjust the **A03 HI SEP**.

Adjustment item	Initial setting value
A01 IN LEVEL	10



Adjustment item	Initial setting value
A02 LOW SEP	32
A03 HIGH SEP	32

HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

1. HIGH VOLTAGE HOLD DOWN CIRCUIT

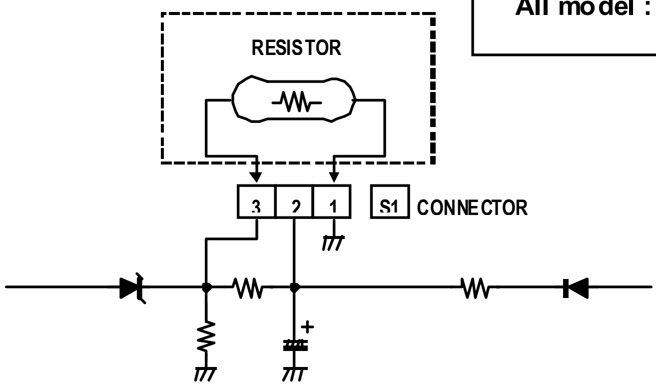
After repairing the high voltage hold down circuit.
This circuit shall be checked to operate correctly.

2. CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

(1) Turn the power switch on.
(2) As shown in figure, set the resistor (between 【S1】 connector 【2】 and 【3】).
(3) Make sure that the screen picture disappears.
(4) Temporarily unplug the power plug.
(5) Remove the resistor (between 【S1】 connector 【2】 and 【3】).
(6) Again plug the power plug, make sure that the normal picture is displayed on the screen.

RESISTOR

All model : 22.8kΩ ± 0.5% 1/4W



REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

1. Avoid heating for more than 3 seconds.
2. Do not rub the electrodes and the resist parts of the pattern.
3. When removing a chip part, melt the solder adequately.
4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

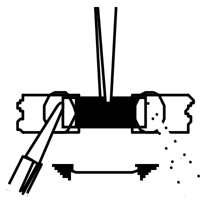
1. Use a high insulation soldering iron with a thin pointed end of it.
2. A 30w soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

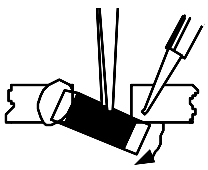
1. How to remove Chip parts

◆ **Resistors, capacitors, etc**

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

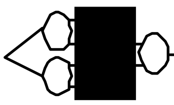


(2) Shift with tweezers and remove the chip part.

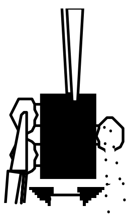


◆ **Transistors, diodes, variable resistors, etc**

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

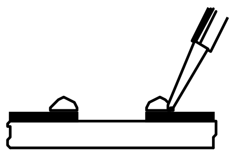


Note : After removing the part, remove remaining solder from the pattern.

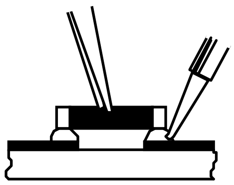
2. How to install Chip parts

◆ **Resistors, capacitors, etc**

(1) Apply solder to the pattern as indicated in the figure.

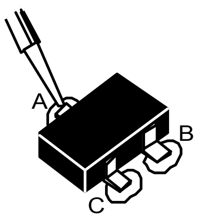


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

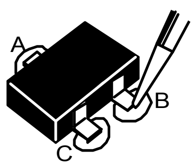


◆ **Transistors, diodes, variable resistors, etc**

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety .
- The parts not indicated in this Parts List and those which are filled with lines —— in the Parts No.columns will not be supplied .
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied .

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
C R	Carbon Resistor	C CAP.	Ceramic Capacitor
F R	Fusible Resistor	E CAP.	Electrolytic Capacitor
P R	Plate Resistor	M CAP.	Mylar Capacitor
V R	Variable Resistor	HV CAP.	High Voltage Capacitor
HV R	High Voltage Resistor	MF CAP.	Metalized Film Capacitor
MF R	Metal Film Resistor	MM CAP.	Metalized Mylar Capacitor
MG R	Metal Glazed Resistor	MP CAP.	Metalized Polystyrol Capacitor
MP R	Metal Plate Resistor	PP CAP.	Polypropylene Capacitor
OM R	Metal Oxide Film Resistor	PS CAP.	Polystyrol Capacitor
CMF R	Coating Metal Film Resistor	TF CAP.	Thin Film Capacitor
UNF R	Non-Flammable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH V R	Chip Variable Resistor	TAN. CAP.	Tantalum Capacitor
CH MG R	Chip Metal Glazed Resistor	CH C CAP.	Chip Ceramic Capacitor
COMP. R	Composition Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

TOLERANCES									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% 0%

[AV-32D503]

CONTENTS

USING CRT, P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y \ Model	AV-32D503/M	AV-32D503/R	AV-32D503/Y
CRT (ITC TUBE)	A80JUA061X06	A80AEJ15X01	A80AKB50X04
MAIN PWB	SGE-1021A-M2	SGE-1022A-M2	SGE-1003A-M2
CRT SOCKET PWB	SGE-3006A-M2	SGE-3007A-M2	SGE-3004A-M2
PIP PWB	SGE-4001A-M2	←	←
AV SELECTOR PWB	SGE-5001A-M2	←	←
FRONT AV IN PWB	SGE-6001A-M2	←	←
FRONT CONTROL PWB	SGE-7001A-M2	←	←
REMOTE CONTROL UNIT	RM-C251-1H	←	←

[AV-32D303 / AV-32D203]

CONTENTS

USING CRT, P.W. BOARD & REMOTE CONTROL UNIT

Model / P.W.B ASS'Y	AV-32D303/M AV-32D203/M	AV-32D303/R AV-32D203/R	AV-32D303/Y AV-32D203/Y
CRT (ITC TUBE)	A80JUA061X06	A80AEJ15X01	A80AKB50X04
MAIN PWB	SGE-1027A-M2	SGE-1028A-M2	SGE-1006A-M2
CRT SOCKET PWB	SGE-3006A-M2	SGE-3007A-M2	SGE-3004A-M2
PIP PWB	×	×	×
AV SELECTOR PWB	SGE-5001A-M2	←	←
FRONT AV IN PWB	SGE-6001A-M2	←	←
FRONT CONTROL PWB	SGE-7001A-M2	←	←
REMOTE CONTROL UNIT	RM-C252-1H	←	←

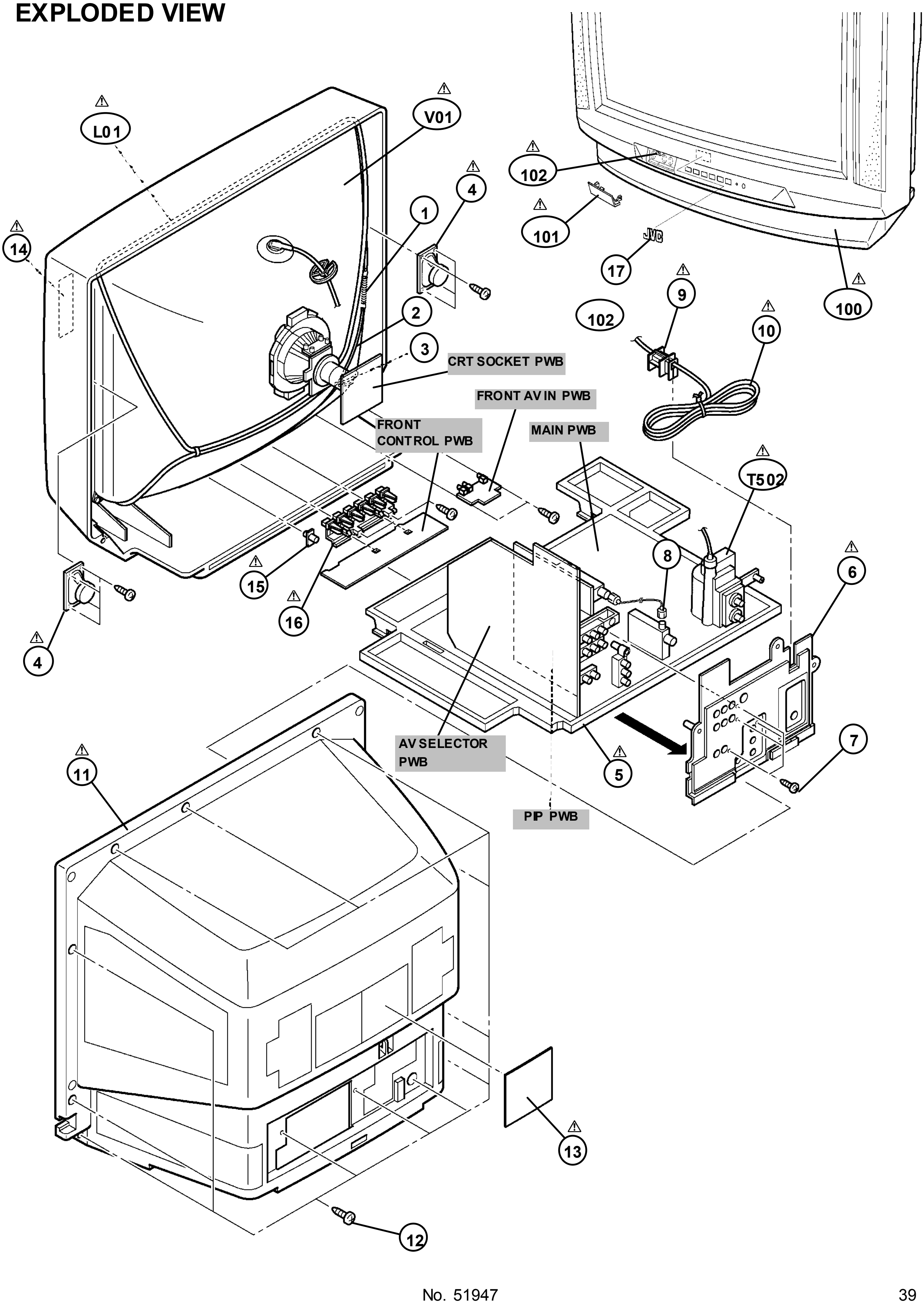
[AV-32D503]

EXPLODED VIEW PARTS LIST

[AV-32D503/M, AV-32D503/R, AV-32D503/Y] : SILVER

⚠	Ref.No.	Part No.	Part Name	Description
⚠	V01	A80JUA061X06	ITC	[AV-32D503/M] Inc.DY.PC MAGNET,WEDGE
⚠	V01	A80AEJ15X01	ITC	[AV-32D503/R] Inc.DY.PC MAGNET,WEDGE
⚠	V01	A80AKB50X04	ITC	[AV-32D503/Y] Inc.DY.PC MAGNET,WEDGE
⚠	L01	CELD066-002JA	DEG COIL	
⚠	T502	QQH0121-001	FB TRANSF	
	1	A48457-1	SPRING	
	2	WJY0016-002A	E-BRAIDED ASSY	
	3	WJY0013-004A	E-BRAIDED ASSY(SUB)	
⚠	4	CEBSS12D-04KJ2	SPEAKER	or QAS0101-001(×2) SP01,SP02
⚠	5	LC10883-001C-A	CHASSIS BASE	
⚠	6	LC20899-004A-A	TERMINAL BOARD	
	7	QYSBSB3010Z	TAP SCREW	(×4)
	8	WJX0014-002A	E-COAXIAL ASSY	
⚠	9	LC20106-001D-A	POWER CORD CLAMP	
⚠	10	QMPD390-200-JS	POWER CORD	or QMPD200-200-JC Within MAIN PWB(CNOPW)
⚠	11	LC10308-003C-A	REAR COVER	
	12	QYSBSFG4016Z	TAP SCREW	(×12)
⚠	13	GQ30032-001A-A	RATING LABEL	
⚠	14	GQ30034-001B-A	WARNING LABEL	
⚠	15	LC30191-002A-A	REMOCON LENS	
⚠	16	LC20217-005B-A	CONTROL KNOB	
	17	CM48006-007-C	JVC MARK	
⚠	100	LC10641-005B-A	FRONT CABI.ASSY	Inc.No.101～102
⚠	101	LC20409-005B-A	DOOR	
⚠	102	PU60109	CATCHER	

EXPLODED VIEW



[AV-32D503/M]

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SGE-1021A-M2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R002	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R003	NRSA63J-101X	MG R	100Ω 1/16W J
	R004	NRSA63J-101X	MG R	100Ω 1/16W J
	R005	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R008	NRSA63J-820X	MG R	82Ω 1/16W J
	R009	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R101	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R102	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R103	QRE121J-101Y	C R	100Ω 1/2W J
	R104	NRSA63J-180X	MG R	18Ω 1/16W J
	R105	NRSA63J-270X	MG R	27Ω 1/16W J
	R111	NRSA63J-394X	MG R	390kΩ 1/16W J
	R112	NRSA63J-334X	MG R	330kΩ 1/16W J
	R113	NRSA63J-101X	MG R	100Ω 1/16W J
	R115	NRSA63J-101X	MG R	100Ω 1/16W J
	R116	NRSA63J-680X	MG R	68Ω 1/16W J
	R117	NRSA63J-273X	MG R	27kΩ 1/16W J
	R118	NRSA63J-223X	MG R	22kΩ 1/16W J
	R131	NRSA63J-102X	MG R	1kΩ 1/16W J
	R132	NRSA63J-331X	MG R	330Ω 1/16W J
	R133	NRSA63J-821X	MG R	820Ω 1/16W J
	R134	NRSA63J-561X	MG R	560Ω 1/16W J
	R135	NRSA63J-102X	MG R	1kΩ 1/16W J
	R161	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R162	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R163	NRSA63J-223X	MG R	22kΩ 1/16W J
	R164	NRSA63J-102X	MG R	1kΩ 1/16W J
	R165	NRSA63J-223X	MG R	22kΩ 1/16W J
	R166	NRSA63J-103X	MG R	10kΩ 1/16W J
	R167	NRSA63J-102X	MG R	1kΩ 1/16W J
	R168	NRSA63J-101X	MG R	100Ω 1/16W J
	R169	NRSA63J-561X	MG R	560Ω 1/16W J
	R171	NRSA63J-103X	MG R	10kΩ 1/16W J
	R201	NRSA63J-223X	MG R	22kΩ 1/16W J
	R212	NRSA63J-272X	MG R	2.7kΩ 1/16W J
	R215	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R216	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R217	NRSA63J-102X	MG R	1kΩ 1/16W J
	R222	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R227	NRSA63J-104X	MG R	100kΩ 1/16W J
	R231	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R237	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R238	NRSA63J-473X	MG R	47kΩ 1/16W J
	R241	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R243	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R281	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R282	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R283	NRSA63J-681X	MG R	680Ω 1/16W J
	R286	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R287	NRSA63J-101X	MG R	100Ω 1/16W J
	R288	NRSA63J-471X	MG R	470Ω 1/16W J
	R289	NRSA63J-154X	MG R	150kΩ 1/16W J
	R290	NRSA63J-561X	MG R	560Ω 1/16W J
	R292	NRSA63J-124X	MG R	120kΩ 1/16W J
	R293	NRSA63J-224X	MG R	220kΩ 1/16W J
	R301	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R302	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R303	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R304	NRSA63J-101X	MG R	100Ω 1/16W J
	R305	NRSA63J-101X	MG R	100Ω 1/16W J
	R306	NRSA63J-101X	MG R	100Ω 1/16W J
	R354	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R355	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R356	NRSA63J-123X	MG R	12kΩ 1/16W J
	R359	NRSA63J-103X	MG R	10kΩ 1/16W J
	R360	NCB31HK-103X	C CAP.	0.01μF 50V K
	R421	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R423	NRSA63J-393X	MG R	39kΩ 1/16W J
	R424	NRSA63J-393X	MG R	39kΩ 1/16W J
	R426	NRSA63J-183X	MG R	18kΩ 1/16W J
	R427	QRT029J-1R5	MF R	1.5Ω 2W J
	R432	NRSA63J-101X	MG R	100Ω 1/16W J
	R433	NRSA63J-681X	MG R	680Ω 1/16W J
	R434	QRL029J-181	OM R	180Ω 2W J
	R435	QRE121J-102Y	C R	1kΩ 1/2W J
	R441	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R447	NRSA63J-104X	MG R	100kΩ 1/16W J
	R448	NRSA63J-473X	MG R	47kΩ 1/16W J
	R449	NRSA63J-103X	MG R	10kΩ 1/16W J
	R501	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R502	NRSA63J-271X	MG R	270Ω 1/16W J
	R503	QRE121J-103Y	C R	10kΩ 1/2W J
	R504	QRL039J-102	OM R	1kΩ 3W J
	R505	QRL039J-102	OM R	1kΩ 3W J
	R511	QRE121J-220Y	C R	22Ω 1/2W J
	R512	QRE121J-681Y	C R	680Ω 1/2W J
	R523	QRJ146J-333X	C R	33kΩ 1/4W J
	R526	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R527	QRE121J-154Y	C R	150kΩ 1/2W J
	R528	QRE121J-154Y	C R	150kΩ 1/2W J
	R529	NRSA63J-331X	MG R	330Ω 1/16W J
	R531	QRJ146J-391X	C R	390Ω 1/4W J
	R532	NRSA63J-273X	MG R	27kΩ 1/16W J
	R533	NRSA63J-123X	MG R	12kΩ 1/16W J
	R534	NRSA63J-123X	MG R	12kΩ 1/16W J
⚠	R535	NRVA02D-222X	MF R	2.2kΩ 1/10W D
⚠	R537	NRVA02D-752X	MF R	7.5kΩ 1/10W D
	R538	NRSA63J-333X	MG R	33kΩ 1/16W J
	R543	QRE121J-122Y	C R	1.2kΩ 1/2W J
	R544	QRE121J-392Y	C R	3.9kΩ 1/2W J
	R545	QRE121J-822Y	C R	8.2kΩ 1/2W J
	R546	NRSA63J-331X	MG R	330Ω 1/16W J
	R547	NRSA63J-104X	MG R	100kΩ 1/16W J
	R548	QRE121J-152Y	C R	1.5kΩ 1/2W J
	R553	QRL039J-180	OM R	18Ω 3W J
⚠	R554	QRK126J-150X	C R	15Ω 1/2W J
	R555	QRX029J-3R3	MF R	3.3Ω 2W J
	R601	NRSA63J-750X	MG R	75Ω 1/16W J
	R602	NRSA63J-750X	MG R	75Ω 1/16W J
	R603	NRSA63J-750X	MG R	75Ω 1/16W J
	R614	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R615	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R621	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R622	NRSA63J-681X	MG R	680Ω 1/16W J
	R623	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R624	NRSA63J-681X	MG R	680Ω 1/16W J
	R626	NRSA63J-223X	MG R	22kΩ 1/16W J
	R627	NRSA63J-223X	MG R	22kΩ 1/16W J
	R631	NRSA63J-333X	MG R	33kΩ 1/16W J
	R632	NRSA63J-223X	MG R	22kΩ 1/16W J
	R638	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R639	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R651	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R652	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R653	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R655	NRSA63J-153X	MG R	15kΩ 1/16W J
	R700	NRSA63J-102X	MG R	1kΩ 1/16W J
	R701	NRSA63J-103X	MG R	10kΩ 1/16W J
	R702	NRSA63J-102X	MG R	1kΩ 1/16W J
	R704	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R705	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R706	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R707	NRSA63J-103X	MG R	10kΩ 1/16W J
	R708	NRSA63J-101X	MG R	100Ω 1/16W J
	R709	NRSA63J-101X	MG R	100Ω 1/16W J
	R714	NRSA63J-823X	MG R	82kΩ 1/16W J
	R715	NRSA63J-103X	MG R	10kΩ 1/16W J
	R718	NRSA63J-223X	MG R	22kΩ 1/16W J
	R721	NRSA63J-102X	MG R	1kΩ 1/16W J
	R728	NRSA63J-102X	MG R	1kΩ 1/16W J
	R729	NRSA63J-223X	MG R	22kΩ 1/16W J
	R731	NRSA63J-101X	MG R	100Ω 1/16W J

[AV-32D503/M]

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R732	NRSA63J-101X	MG R	100Ω 1/16W J
	R733	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R734	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R737	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R739	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R740	NRSA63J-103X	MG R	10kΩ 1/16W J
	R754	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R755	NRSA63J-153X	MG R	15kΩ 1/16W J
	R756	NRSA63J-103X	MG R	10kΩ 1/16W J
	R764	NRSA63J-221X	MG R	220Ω 1/16W J
	R765	NRSA63J-221X	MG R	220Ω 1/16W J
	R766	NRSA63J-221X	MG R	220Ω 1/16W J
	R767	NRSA63J-221X	MG R	220Ω 1/16W J
	R769	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R772	NRSA63J-103X	MG R	10kΩ 1/16W J
	R775	NRSA63J-473X	MG R	47kΩ 1/16W J
	R776	NRSA63J-103X	MG R	10kΩ 1/16W J
	R811	NRSA63J-473X	MG R	47kΩ 1/16W J
	R812	NRSA63J-102X	MG R	1kΩ 1/16W J
	R816	NRSA63J-124X	MG R	120kΩ 1/16W J
	R821	NRSA63J-184X	MG R	180kΩ 1/16W J
	R822	NRSA63J-124X	MG R	120kΩ 1/16W J
	R827	NRSA63J-102X	MG R	1kΩ 1/16W J
	R855	QRG039J-100	OM R	10Ω 3W J
⚠	R857	QRL029J-330	OM R	33Ω 2W J
⚠	R858	QRL029J-390	OM R	39Ω 2W J
⚠	R901	QRF074K-R47	UNF R	0.47Ω 7W K
⚠	R909	QRG01GJ-470	OM R	47Ω 1W J
	R911	QRE121J-223Y	C R	22kΩ 1/2W J
	R912	QRT029J-R22	MF R	0.22Ω 2W J
	R913	QRT029J-R22	MF R	0.22Ω 2W J
	R914	QRK126J-681X	C R	680Ω 1/2W J
	R915	QRK129J-6R8	C R	6.8Ω 1/2W J
	R917	QRK126J-332X	C R	3.3kΩ 1/2W J
	R918	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R919	QRE121J-684Y	C R	680kΩ 1/2W J
	R924	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R930	QRE121J-223Y	C R	22kΩ 1/2W J
	R939	QRT039J-2R2	MF R	2.2Ω 3W J
	R940	QRE121J-181Y	C R	180Ω 1/2W J
	R941	QRL029J-183	OM R	18kΩ 2W J
	R950	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R951	NRSA63J-473X	MG R	47kΩ 1/16W J
	R952	NRSA63J-102X	MG R	1kΩ 1/16W J
	R953	QRE121J-820Y	C R	82Ω 1/2W J
	R973	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R975	QRE121J-223Y	C R	22kΩ 1/2W J
	R977	QRE121J-473Y	C R	47kΩ 1/2W J
	R978	NRSA63J-333X	MG R	33kΩ 1/16W J
	R979	QRT029J-1R2	MF R	1.2Ω 2W J
	R980	QRT029J-1R2	MF R	1.2Ω 2W J
⚠	R998	QRZ9041-275	C R	2.7MΩ 1/2W K
	R999	QRE121J-121Y	C R	120Ω 1/2W J

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C001	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C003	QETN1HM-106Z	E CAP.	10μF 50V M
	C004	QETN1CM-108Z	E CAP.	1000μF 16V M
	C006	QETN1EM-476Z	E CAP.	47μF 25V M
	C101	NCB31HK-103X	C CAP.	0.01μF 50V K
	C102	NCB31HK-103X	C CAP.	0.01μF 50V K
	C104	NCB31HK-103X	C CAP.	0.01μF 50V K
	C105	NCB31HK-103X	C CAP.	0.01μF 50V K
	C106	QETN1EM-476Z	E CAP.	47μF 25V M
	C107	NCB31HK-103X	C CAP.	0.01μF 50V K
	C113	NCB31HK-103X	C CAP.	0.01μF 50V K
	C114	NCB31HK-103X	C CAP.	0.01μF 50V K
	C116	QFVF1HJ-224Z	MF CAP.	0.22μF 50V J
	C117	QETN1EM-476Z	E CAP.	47μF 25V M
	C118	NCB31HK-103X	C CAP.	0.01μF 50V K
	C119	NDC31HJ-681X	C CAP.	680pF 50V J
	C120	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C124	NCB31HK-103X	C CAP.	0.01μF 50V K
	C131	NCB31HK-103X	C CAP.	0.01μF 50V K
	C161	QETN1HM-106Z	E CAP.	10μF 50V M
	C163	NDC31HJ-470X	C CAP.	47pF 50V J
	C164	NDC31HJ-470X	C CAP.	47pF 50V J
	C165	NCB31HK-103X	C CAP.	0.01μF 50V K
	C166	NCB31HK-103X	C CAP.	0.01μF 50V K
	C202	QETN1HM-105Z	E CAP.	1μF 50V M
	C203	NCB31HK-152X	C CAP.	1500pF 50V K
	C211	QENC1CM-106Z	E CAP.	10μF 16V M
	C212	NDC31HJ-100X	C CAP.	10pF 50V J
	C221	QETN1HM-106Z	E CAP.	10μF 50V M
	C222	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C223	NCB31HK-103X	C CAP.	0.01μF 50V K
	C233	NDC31HJ-680X	C CAP.	68pF 50V J
	C237	NCB31HK-103X	C CAP.	0.01μF 50V K
	C241	NCB31HK-103X	C CAP.	0.01μF 50V K
	C242	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C243	QETN1CM-107Z	E CAP.	100μF 16V M
	C244	NCB31HK-103X	C CAP.	0.01μF 50V K
	C281	QFVF1HJ-474Z	MF CAP.	0.47μF 50V J
	C282	QETN1CM-107Z	E CAP.	100μF 16V M
	C283	NCB31HK-103X	C CAP.	0.01μF 50V K
	C284	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C285	NCB31HK-103X	C CAP.	0.01μF 50V K
	C286	QETN1HM-106Z	E CAP.	10μF 50V M
	C287	QETN1CM-107Z	E CAP.	100μF 16V M
	C288	NCB31HK-103X	C CAP.	0.01μF 50V K
	C352	QETN1CM-336Z	E CAP.	33μF 16V M
	C354	NCB31HK-103X	C CAP.	0.01μF 50V K
	C391	QETN1CM-107Z	E CAP.	100μF 16V M
	C392	NCB31HK-103X	C CAP.	0.01μF 50V K
	C422	QFLC2AJ-102Z	M CAP.	1000pF 100V J
	C424	QETN1VM-107Z	E CAP.	100μF 35V M
	C425	QETN1VM-477Z	E CAP.	470μF 35V M
	C427	QETN1HM-105Z	E CAP.	1μF 50V M
	C428	QETM1EM-228	E CAP.	2200μF 25V M
	C431	QFLC2AK-563Z	M CAP.	0.056μF 100V K
	C432	QETN1EM-476Z	E CAP.	47μF 25V M
	C433	QETN1EM-476Z	E CAP.	47μF 25V M
	C435	NCB21HK-183X	C CAP.	0.018μF 50V K
	C440	QCS32HJ-220Z	C CAP.	22pF 500V J
	C501	QCB32HK-151Z	C CAP.	150pF 500V K
	C502	QCB32HK-331Z	C CAP.	330pF 500V K
	C503	QEHR2CM-105Z	E CAP.	1μF 160V M
	C504	QEZ0203-107	E CAP.	100μF 160V M
	C507	QEM61HK-475Z	E CAP.	4.7μF 50V K
	C508	QEM61HK-475Z	E CAP.	4.7μF 50V K
⚠	C510	QFZ0200-532	MPP CAP.	5300pF 1.5kVH ±3%
⚠	C510	or QFZ0196-532	MPP CAP.	5300pF 1.5kVH ±3%
⚠	C513	QFZ0198-133	MPP CAP.	0.013μF 1.5kVH ±3%
⚠	C514	QFP32GJ-183	PP CAP.	0.018μF 400V J
⚠	C515	QFZ0199-564	MPP CAP.	0.56μF 250V J
⚠	C515	or QFZ0197-564	MPP CAP.	0.56μF 250V J
	C516	QCB32HK-561Z	C CAP.	560pF 500V K
	C521	QETN2EM-106Z	E CAP.	10μF 250V M
	C523	QEHR1VM-108Z	E CAP.	1000μF 35V M
	C525	QETN1VM-107Z	E CAP.	100μF 35V M
	C526	QFV21HJ-824Z	MF CAP.	0.82μF 50V J
	C527	QFLC2AJ-103Z	M CAP.	0.01μF 100V J
	C531	QCB32HK-102Z	C CAP.	1000pF 500V K
	C533	QETN1HM-106Z	E CAP.	10μF 50V M
	C601	QETN1EM-476Z	E CAP.	47μF 25V M
	C602	QETN1EM-476Z	E CAP.	47μF 25V M
	C603	QETN1EM-476Z	E CAP.	47μF 25V M
	C604	NCB31EK-104X	C CAP.	0.1μF 25V K
	C605	NCB31EK-104X	C CAP.	0.1μF 25V K
	C606	NCB31EK-104X	C CAP.	0.1μF 25V K
	C607	QETN1AM-477Z	E CAP.	470μF 10V M
	C608	NCB31HK-103X	C CAP.	0.01μF 50V K
	C609	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C610	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C611	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C621	NCB31HK-102X	C CAP.	1000pF 50V K
	C622	NCF21CZ-105X	C CAP.	1μF 16V Z
	C623	NCB31HK-102X	C CAP.	1000pF 50V K
	C624	NCF21CZ-105X	C CAP.	1μF 16V Z
	C625	QETN1CM-107Z	E CAP.	100μF 16V M

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CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C626	QETN1EM-108Z	E CAP.	1000µF 25V M
	C627	QETN1HM-474Z	E CAP.	0.47µF 50V M
	C628	QETN1EM-108Z	E CAP.	1000µF 25V M
	C629	QETN1EM-108Z	E CAP.	1000µF 25V M
	C636	QETN1HM-105Z	E CAP.	1µF 50V M
	C637	QETN1HM-105Z	E CAP.	1µF 50V M
	C652	NCB31EK-104X	C CAP.	0.1µF 25V K
	C653	NCB31EK-104X	C CAP.	0.1µF 25V K
	C654	NCB31EK-104X	C CAP.	0.1µF 25V K
	C655	NCB31HK-103X	C CAP.	0.01µF 50V K
	C656	NDC31HJ-150X	C CAP.	15pF 50V J
	C657	NDC31HJ-150X	C CAP.	15pF 50V J
	C658	NDC31HJ-150X	C CAP.	15pF 50V J
	C700	NCB31HK-102X	C CAP.	1000pF 50V K
	C701	QETN1HM-106Z	E CAP.	10µF 50V M
	C702	QETN1HM-106Z	E CAP.	10µF 50V M
	C703	QETN1HM-106Z	E CAP.	10µF 50V M
	C704	QETN1CM-107Z	E CAP.	100µF 16V M
	C705	NCB31HK-103X	C CAP.	0.01µF 50V K
	C706	QETN1HM-105Z	E CAP.	1µF 50V M
	C708	NDC31HJ-220X	C CAP.	22pF 50V J
	C709	NDC31HJ-220X	C CAP.	22pF 50V J
	C711	QETN1CM-107Z	E CAP.	100µF 16V M
	C712	NCB31HK-103X	C CAP.	0.01µF 50V K
	C716	QETN1HM-106Z	E CAP.	10µF 50V M
	C721	NCB31HK-103X	C CAP.	0.01µF 50V K
	C726	NDC31HJ-561X	C CAP.	560pF 50V J
	C728	NCB31HK-103X	C CAP.	0.01µF 50V K
	C807	QETN1AM-477Z	E CAP.	470µF 10V M
	C813	NCB31HK-102X	C CAP.	1000pF 50V K
	C815	NCB31HK-103X	C CAP.	0.01µF 50V K
	C853	QETN1CM-227Z	E CAP.	220µF 16V M
	C854	QETN1CM-227Z	E CAP.	220µF 16V M
	C856	QETN1CM-227Z	E CAP.	220µF 16V M
	C857	QETN1CM-477Z	E CAP.	470µF 16V M
⚠	C901	QFZ9072-104	MF CAP.	0.1µFAC275V K
⚠	C901	or QFZ9075-104	MPP CAP.	0.1µFAC275V M
⚠	C902	QFZ9072-473	MF CAP.	0.047µFAC275V K
⚠	C902	or QFZ9075-473	MPP CAP.	0.047µFAC275V M
⚠	C904	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C905	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C906	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C907	QEZ0169-477	E CAP.	470µF 200V M
⚠	C908	QCZ9079-102	C CAP.	1000pFAC250V M
⚠	C908	or QCZ9054-102	C CAP.	1000pFAC250V Z
	C912	QCZ0340-222	C CAP.	2200pF 2kV K
	C913	QFLC1HJ-471Z	M CAP.	470pF 50V J
	C914	QETN1HM-107Z	E CAP.	100µF 50V M
	C916	NDC31HJ-331X	C CAP.	330pF 50V J
	C917	NCB31HK-182X	C CAP.	1800pF 50V K
	C918	NCB21HK-104X	C CAP.	0.1µF 50V K
	C919	QFP32GJ-103	PP CAP.	0.01µF 400V J
	C931	QEZ0203-107	E CAP.	100µF 160V M
	C933	QETN1CM-108Z	E CAP.	1000µF 16V M
	C934	NDC31HJ-151X	C CAP.	150pF 50V J
	C935	QETN1EM-108Z	E CAP.	1000µF 25V M
	C937	QCZ0340-102	C CAP.	1000pF 2kV K
	C938	QETN1CM-477Z	E CAP.	470µF 16V M
	C939	QCB32HK-152Z	C CAP.	1500pF 500V K
	C941	QCB32HK-102Z	C CAP.	1000pF 500V K
	C942	QEHR1HM-105Z	E CAP.	1µF 50V M
	C951	QETN1EM-477Z	E CAP.	470µF 25V M
	C952	QETN1CM-227Z	E CAP.	220µF 16V M
	C971	QETN1CM-107Z	E CAP.	100µF 16V M
	C972	QETN1EM-476Z	E CAP.	47µF 25V M
	C973	QETN1HM-106Z	E CAP.	10µF 50V M
⚠	C997	QCZ9052-102	C CAP.	1000pFAC125V M
⚠	C998	QCZ9074-103	C CAP.	0.01µFAC250V M
⚠	C999	QCZ9074-103	C CAP.	0.01µFAC250V M

TRANSF

⚠	Symbol No.	Part No.	Part Name	Description
	T111	QQR0907-001	IFT	
	T501	CE42034-002	HOR DRIVE TRANS	
⚠	T502	QQH0121-001	FB TRANSF	
⚠	T921	QQS0138-001	SW TRANSF	
⚠	T951	QQT0372-001	POWER TRANSF	or QQT0355-001

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L001	QQL244K-560Z	COIL	56µH K
	L101	QQLZ014-R22	INDUCTOR	
	L113	QQL244K-4R7Z	COIL	4.7µH K
	L131	QQL244K-150Z	COIL	15µH K
	L161	QQL244K-220Z	INDUCTOR	
	L232	QQL244K-560Z	COIL	56µH K
	L241	QQL244K-220Z	INDUCTOR	
	L391	QQL244K-220Z	INDUCTOR	
⚠	L511	QQR1027-003	LINEARITY COIL	
	L512	QQLZ036-821	INDUCTOR	or QQLZ027-821
⚠	L521	QQLZ026-640	INDUCTOR	
	L701	QQL244K-220Z	INDUCTOR	
	L702	QQL244K-220Z	INDUCTOR	
	L703	QQL244K-220Z	INDUCTOR	
	L704	QQL244K-220Z	INDUCTOR	
	L705	QQL244K-220Z	INDUCTOR	
	L931	QQL26AK-470Z	COIL	47µH K
	L933	QQL26AK-470Z	COIL	47µH K
	L940	QQR0582-001Z	FERRITE BEADS	

DIODE

⚠	Symbol No.	Part No.	Part Name	Description
	D305	1SS133-T2	SI DIODE	
	D306	1SS133-T2	SI DIODE	
	D307	1SS133-T2	SI DIODE	
	D308	1SS133-T2	SI DIODE	
	D309	1SS133-T2	SI DIODE	
	D310	1SS133-T2	SI DIODE	
	D352	MTZJ9.1C-T2	Z DIODE	
	D353	1SS133-T2	SI DIODE	
	D354	MTZJ3.3A-T2	Z DIODE	
	D421	1N4003-T2	SI DIODE	
	D422	MTZJ75-T2	Z DIODE	
	D432	1SS133-T2	SI DIODE	
	D501	RH3G-F1	SI DIODE	
⚠	D502	RU3AM-LFC4	SI DIODE	
	D521	RH1S-T3	SI DIODE	
	D523	RGP10J-5025-T3	SI DIODE	
	D525	1SS81-T5	SI DIODE	
	D526	1SS81-T5	SI DIODE	
	D527	1SR124-400A-T2	SI DIODE	
	D529	MTZJ5.1C-T2	Z DIODE	
⚠	D531	MA4068N/Z1/-T2	Z DIODE	
	D535	1SS133-T2	SI DIODE	
	D537	1SR35-400A-T2	SI DIODE	
	D601	MTZJ9.1C-T2	Z DIODE	
	D602	MTZJ9.1C-T2	Z DIODE	
	D603	MTZJ9.1C-T2	Z DIODE	
	D653	1SS133-T2	SI DIODE	
	D654	1SS133-T2	SI DIODE	
	D700	MTZJ5.6B-T2	Z DIODE	
	D701	1SS133-T2	SI DIODE	
	D703	MTZJ5.6B-T2	Z DIODE	
	D704	MTZJ5.6B-T2	Z DIODE	
	D705	1SS133-T2	SI DIODE	
	D706	MTZJ5.6B-T2	Z DIODE	
	D707	MTZJ5.6B-T2	Z DIODE	
	D708	MTZJ5.6B-T2	Z DIODE	
	D709	MTZJ5.6B-T2	Z DIODE	
	D721	1SS133-T2	SI DIODE	
	D722	1SS133-T2	SI DIODE	
	D723	MTZJ5.6B-T2	Z DIODE	
	D810	MTZJ5.6B-T2	Z DIODE	
⚠	D901	GSIB460-S1	BRIDGE DIODE	
	D910	MA700A-T2	SB DIODE	
⚠	D911	RGP10J-5025-T3	SI DIODE	
⚠	D912	RGP10J-5025-T3	SI DIODE	
⚠	D913	RGP10J-5025-T3	SI DIODE	
	D914	1SS133-T2	SI DIODE	
	D915	SARS01-T2	SI DIODE	
	D917	MTZJ30A-T2	Z DIODE	
	D918	MTZJ5.1C-T2	Z DIODE	
	D920	1SS133-T2	SI DIODE	
	D931	RU30A-F1	SI DIODE	
	D933	RU3YX-LFC4	SI DIODE	
	D935	RU3YX-LFC4	SI DIODE	
	D941	MTZJ33A-T2	Z DIODE	
	D945	MTZJ9.1B-T2	Z DIODE	
	D952	1SS133-T2	SI DIODE	
	D953	1SS133-T2	SI DIODE	
	D954	1N4002G-T2	SI DIODE	

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⚠	Symbol No.	Part No.	Part Name	Description
	DIODE			
	D955	1N4002G-T2	SI DIODE	
	D956	1N4002G-T2	SI DIODE	
	D957	1N4002G-T2	SI DIODE	
	D972	MTZJ15C-T2	Z DIODE	
	D973	1SS133-T2	SI DIODE	
	TRANSISTOR			
	Q001	UN2212-X	DIGI TRANSISTOR	
	Q101	2SC5083/L-P/-T	TRANSISTOR	
	Q131	2SB709A/QR/-X	TRANSISTOR	
	Q161	2SD601A/QR/-X	TRANSISTOR	
	Q211	2SD601A/QR/-X	TRANSISTOR	
	Q232	2SD601A/QR/-X	TRANSISTOR	
	Q233	2SD601A/QR/-X	TRANSISTOR	
	Q352	2SD601A/QR/-X	TRANSISTOR	
	Q431	UN2212-X	DIGI TRANSISTOR	
	Q501	2SC4212/Z1/	TRANSISTOR	
⚠	Q511	2SD2645-YD	POWER TRANSISTO	H.OUT
	Q531	2SC2785/JH/-T	SI TRANSISTOR	
	Q532	2SB709A/QR/-X	TRANSISTOR	
	Q541	2SB709A/QR/-X	TRANSISTOR	
	Q542	2SB709A/QR/-X	TRANSISTOR	
	Q543	2SD1408/OY/-LB	POW TRANSISTOR	
	Q622	2SD601A/QR/-X	TRANSISTOR	
	Q623	UN2212-X	DIGI TRANSISTOR	
	Q700	2SD601A/QR/-X	TRANSISTOR	
	Q701	2SB709A/QR/-X	TRANSISTOR	
	Q705	2SD601A/QR/-X	TRANSISTOR	
	Q951	2SD1383K/AB/-X	TRANSISTOR	
	Q971	2SA1208/ST/Z1-T	TRANSISTOR	
	IC			
	IC101	M52342SP	IC	
	IC201	TM8812CSBNG3U68	IC	
⚠	IC421	LA7841	IC	
	IC601	TA1287F-X	IC	
	IC621	LA4485	IC	
	IC702	AT24C08-32D503	IC	(SERVICE)
	IC703	S-80840ANY-T	IC	
	IC704	AN78L05-T	IC	
	IC852	AN7809F	IC	or BA17809T
	IC853	AN7805F	IC	or BA17805T
⚠	IC911	STR-G6624/F8	IC	
⚠	IC921	SE135N	I C	
	OTHERS			
	CF001	QAX0349-001	C TRAP	
	CF131	QAX0639-001Z	C TRAP	
	CF161	QAX0642-001Z	C FILTER	
	CN001	QGB1505J1-35	B TO B CONNE	
	CN002	QGB1505J1-25	B TO B CONNE	
	CN004	QGA2501C5-05Z	W TO B CONNE	
	CN005	QGA2501C5-04Z	W TO B CONNE	
	CN007	QGA2501C5-07Z	W TO B CONNE	
⚠	CNOPW	QMPD390-200-JS	POWER CORD	or QMPD200-200-JC
⚠	CP932	ICP-N70-T	C PROTECTOR	
⚠	CP936	ICP-N70-T	C PROTECTOR	
⚠	F901	QMF0007-5R0J1	FUSE	5.0A or QMF51U1-5R0-J8
⚠	F905	QMFZ049-5R0Z-E	FUSE	5.0A
	FC901	CEMG002-001Z	FUSE CLIP	
	FC902	CEMG002-001Z	FUSE CLIP	
⚠	FR525	QRZ9017-4R7	F R	4.7Ω 1/4W J
⚠	FR527	QRZ9011-470	F R	47Ω 1/2W J
	J601	QNN0349-002	PIN JACK	
	J810	QNS0001-001	JACK	
	K401	QQR0621-002Z	FERRITE BEADS	
	K912	QQR0582-001Z	FERRITE BEADS	
	K916	QQR0582-001Z	FERRITE BEADS	
	K917	QQR0582-001Z	FERRITE BEADS	
	K918	QQR0582-001Z	FERRITE BEADS	
	K931	QQR0582-001Z	FERRITE BEADS	
	K932	QQR0582-001Z	FERRITE BEADS	
	K933	QQR0621-002Z	FERRITE BEADS	
	K935	QQR0582-001Z	FERRITE BEADS	
	LC601	QQR1199-001	EMI FILTER	
	LC602	QQR1199-001	EMI FILTER	
	LC603	QQR1199-001	EMI FILTER	
⚠	LF901	QQR1085-003	LINE FILTER	or QQR0527-003
⚠	PC921	TLP421F/D4-GR/	IC(PHOTO COUPLE	
⚠	RY951	QSK0086-001	RELAY	or QSK0130-001,QSK0085-001
	S421	QSL4A13-C02	LEVER SWITCH	V.CENTER SW
	SF101	QAX0723-001	SAW FILTER	
⚠	TH901	QAD0132-3R0	P THERMISTOR	
⚠	TU001	QAU0272-001	TUNER	
⚠	VA901	ERZV10V621CS	ZNR	
	X701	QAX0717-001Z	CRYSTAL	

CRT SOCKET P.W. BOARD ASS'Y (SGE-3006A-M2)

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R3354	NRSA63J-221X	MG R	220Ω 1/16W J
	R3355	NRSA63J-221X	MG R	220Ω 1/16W J
	R3356	NRSA63J-221X	MG R	220Ω 1/16W J
	R3357	NRSA63J-101X	MG R	100Ω 1/16W J
	R3358	NRSA63J-101X	MG R	100Ω 1/16W J
	R3359	NRSA63J-101X	MG R	100Ω 1/16W J
	R3360	QRZ0111-152	C R	1.5kΩ 1/2W K
	R3361	QRZ0111-152	C R	1.5kΩ 1/2W K
	R3362	QRZ0111-152	C R	1.5kΩ 1/2W K
	R3363	QRG029J-103	OM R	10kΩ 2W J
	R3364	QRG029J-103	OM R	10kΩ 2W J
	R3365	QRG029J-103	OM R	10kΩ 2W J
	R3366	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R3367	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R3368	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R3372	NRSA63J-221X	MG R	220Ω 1/16W J
	R3373	NRSA63J-221X	MG R	220Ω 1/16W J
	R3374	NRSA63J-221X	MG R	220Ω 1/16W J
	R3375	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R3376	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R3377	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R3381	QRE121J-394Y	C R	390kΩ 1/2W J
	R3391	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R3392	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R3393	NRSA63J-102X	MG R	1kΩ 1/16W J
	R3394	NRSA63J-102X	MG R	1kΩ 1/16W J
	R3395	NRSA63J-102X	MG R	1kΩ 1/16W J
	CAPACITOR			
	C3354	NDC31HJ-331X	C CAP.	330pF 50V J
	C3355	NDC31HJ-331X	C CAP.	330pF 50V J
	C3356	NDC31HJ-391X	C CAP.	390pF 50V J
	C3357	QETN1CM-107Z	E CAP.	100μF 16V M
⚠	C3382	QCZ0121-102	C CAP.	1000pF 3kV Z
	C3391	QETN1AM-227Z	E CAP.	220μF 10V M
	C3392	NDC31HJ-101X	C CAP.	100pF 50V J
	COIL			
	L3381	QQL244K-101Z	PEAKING COIL	
	DIODE			
	D3391	1SS133-T2	SI DIODE	
	TRANSISTOR			
	Q3351	2SC4544-LB	POW TRANSISTOR	
	Q3352	2SC4544-LB	POW TRANSISTOR	
	Q3353	2SC4544-LB	POW TRANSISTOR	
	Q3391	2SA933AS/QR/-T	TRANSISTOR	
	OTHERS			
	CN3004	QJB003-054010	SIN ID C-B WIRE	
	CN3005	WJA0027-002A	E-S ID WIRE	
⚠	SK3351	QNZ0537-001	CRT SOCKET	or QNZ0536-001

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PIP P.W. BOARD ASS'Y (SGE-4001A-M2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R4001	NRSA63J-103X	MG R	10kΩ 1/16W J
	R4002	NRSA63J-103X	MG R	10kΩ 1/16W J
	R4003	NRSA63J-101X	MG R	100Ω 1/16W J
	R4004	NRSA63J-101X	MG R	100Ω 1/16W J
	R4005	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R4008	NRSA63J-820X	MG R	82Ω 1/16W J
	R4101	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R4102	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R4103	QRE121J-101Y	C R	100Ω 1/2W J
	R4104	NRSA63J-180X	MG R	18Ω 1/16W J
	R4105	NRSA63J-270X	MG R	27Ω 1/16W J
	R4111	NRSA63J-224X	MG R	220kΩ 1/16W J
	R4113	NRSA63J-101X	MG R	100Ω 1/16W J
	R4114	NRSA63J-331X	MG R	330Ω 1/16W J
	R4115	NRSA63J-101X	MG R	100Ω 1/16W J
	R4116	NRSA63J-680X	MG R	68Ω 1/16W J
	R4117	NRSA63J-273X	MG R	27kΩ 1/16W J
	R4118	NRSA63J-223X	MG R	22kΩ 1/16W J
	R4120	NRSA63J-273X	MG R	27kΩ 1/16W J
	R4121	NRSA63J-103X	MG R	10kΩ 1/16W J
	R4131	NRSA63J-102X	MG R	1kΩ 1/16W J
	R4132	NRSA63J-331X	MG R	330Ω 1/16W J
	R4133	NRSA63J-821X	MG R	820Ω 1/16W J
	R4134	NRSA63J-561X	MG R	560Ω 1/16W J
	R4135	NRSA63J-102X	MG R	1kΩ 1/16W J
	R4161	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R4163	NRSA63J-223X	MG R	22kΩ 1/16W J
	R4171	NRSA63J-103X	MG R	10kΩ 1/16W J
	R4301	NRSA63J-473X	MG R	47kΩ 1/16W J
	R4303	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R4304	NRSA63J-473X	MG R	47kΩ 1/16W J
	R4306	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R4307	NRSA63J-471X	MG R	470Ω 1/16W J
	R4309	NRSA63J-102X	MG R	1kΩ 1/16W J
	R4311	NRSA63J-101X	MG R	100Ω 1/16W J
	R4313	NRSA63J-101X	MG R	100Ω 1/16W J
	R4314	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R4316	NRSA63J-331X	MG R	330Ω 1/16W J
	R4317	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R4331	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R4337	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R4343	NRSA63J-0R0X	MG R	0.0Ω 1/16W J

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C4001	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C4003	QETN1HM-106Z	E CAP.	10μF 50V M
	C4004	QETN1CM-107Z	E CAP.	100μF 16V M
	C4006	QETN1EM-476Z	E CAP.	47μF 25V M
	C4010	NDC31HJ-100X	C CAP.	10pF 50V J
	C4011	NDC31HJ-100X	C CAP.	10pF 50V J
	C4101	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4102	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4104	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4105	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4106	QETN1EM-476Z	E CAP.	47μF 25V M
	C4107	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4113	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4114	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4116	QFVF1HJ-224Z	MF CAP.	0.22μF 50V J
	C4117	QETN1EM-476Z	E CAP.	47μF 25V M
	C4118	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4119	NDC31HJ-681X	C CAP.	680pF 50V J
	C4120	QETN1HM-476Z	E CAP.	47μF 50V M
	C4124	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4131	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4132	NDC31HJ-181X	C CAP.	180pF 50V J
	C4161	QETN1HM-106Z	E CAP.	10μF 50V M
	C4168	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4301	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	C4302	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	C4312	NDC31HJ-270X	C CAP.	27pF 50V J
	C4313	NDC31HJ-270X	C CAP.	27pF 50V J
	C4314	QETN1HM-106Z	E CAP.	10μF 50V M
	C4315	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4316	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4317	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4318	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4319	QETN1HM-106Z	E CAP.	10μF 50V M
	C4320	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4321	QETN1HM-105Z	E CAP.	1μF 50V M
	C4322	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4323	QETN1HM-106Z	E CAP.	10μF 50V M
	C4324	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4325	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4326	NCB31EK-104X	C CAP.	0.1μF 25V K
	C4327	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C4328	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4329	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C4330	NCB31HK-103X	C CAP.	0.01μF 50V K
	C4331	NCB31EK-104X	C CAP.	0.1μF 25V K

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L4001	QQL244K-560Z	COIL	56μH K
	L4101	QQLZ014-R22	INDUCTOR	
	L4113	QQL244K-4R7Z	COIL	4.7μH K
	L4131	QQL244K-150Z	COIL	15μH K
	L4302	QQL244J-6R8Z	COIL	6.8μH J
	L4303	QQL244J-6R8Z	COIL	6.8μH J
	L4304	QQL244J-6R8Z	COIL	6.8μH J

DIODE

⚠	Symbol No.	Part No.	Part Name	Description
	D4301	1SS133-T2	SI DIODE	
	Q4101	2SC5083/L-P/-T	TRANSISTOR	
	Q4131	2SA1037AK/QR/-X	TRANSISTOR	
	Q4301	2SD601A/QR/-X	TRANSISTOR	
	Q4302	2SD601A/QR/-X	TRANSISTOR	
	Q4303	2SD601A/QR/-X	TRANSISTOR	

IC

⚠	Symbol No.	Part No.	Part Name	Description
	IC4101	M52342SP	IC	
	IC4301	SDA9389X-X	IC	

OTHERS

⚠	Symbol No.	Part No.	Part Name	Description
	CF4131	QAX0639-001Z	C TRAP	
	CN4002	QGB1505K1-25	B TO B CONNE	
	SF4101	CE42589-201	SAW FILTER	
	T4111	QQR0907-001	IFT	
⚠	TU4001	QAU0273-001	TUNER	
	X4301	QAX0521-001Z	CRYSTAL	

[AV-32D503/M]

AV SELECTOR P.W. BOARD ASS'Y (SGE-5001A-M2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R5001	NRSA63J-105X	MG R	1MΩ 1/16W J
	R5002	NRSA63J-104X	MG R	100kΩ 1/16W J
	R5003	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R5004	NRSA63J-153X	MG R	15kΩ 1/16W J
	R5005	NRSA63J-683X	MG R	68kΩ 1/16W J
	R5006	NRSA63J-684X	MG R	680kΩ 1/16W J
	R5007	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R5008	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R5009	NRSA63J-333X	MG R	33kΩ 1/16W J
	R5010	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R5011	NRSA63J-221X	MG R	220Ω 1/16W J
	R5012	NRSA63J-221X	MG R	220Ω 1/16W J
	R5151	NRSA63J-223X	MG R	22kΩ 1/16W J
	R5152	NRSA63J-223X	MG R	22kΩ 1/16W J
	R5153	NRSA63J-223X	MG R	22kΩ 1/16W J
	R5154	NRSA63J-223X	MG R	22kΩ 1/16W J
	R5155	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R5157	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R5159	NRSA63J-103X	MG R	10kΩ 1/16W J
	R5210	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R5211	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R5212	NRSA63J-103X	MG R	10kΩ 1/16W J
	R5213	NRSA63J-102X	MG R	1kΩ 1/16W J
	R5214	NRSA63J-181X	MG R	180Ω 1/16W J
	R5215	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R5216	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R5217	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R5240	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R5241	NRSA63J-821X	MG R	820Ω 1/16W J
	R5242	NRSA63J-101X	MG R	100Ω 1/16W J
	R5243	NRSA63J-101X	MG R	100Ω 1/16W J
	R5251	NRSA63J-471X	MG R	470Ω 1/16W J
	R5253	NRSA63J-102X	MG R	1kΩ 1/16W J
	R5254	NRSA63J-102X	MG R	1kΩ 1/16W J
	R5255	NRSA63J-681X	MG R	680Ω 1/16W J
	R5258	NRSA63J-101X	MG R	100Ω 1/16W J
	R5259	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R5261	NRSA63J-101X	MG R	100Ω 1/16W J
	R5262	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R5263	NRSA63J-471X	MG R	470Ω 1/16W J
	R5265	NRSA63J-102X	MG R	1kΩ 1/16W J
	R5269	NRSA63J-681X	MG R	680Ω 1/16W J
	R5270	NRSA63J-102X	MG R	1kΩ 1/16W J
	R5384	NRSA63J-223X	MG R	22kΩ 1/16W J
	R5385	NRSA63J-223X	MG R	22kΩ 1/16W J
	R5386	NRSA63J-223X	MG R	22kΩ 1/16W J
	R5387	NRSA63J-223X	MG R	22kΩ 1/16W J
	R5391	NRSA63J-221X	MG R	220Ω 1/16W J
	R5392	NRSA63J-221X	MG R	220Ω 1/16W J
	R5393	NRSA63J-823X	MG R	82kΩ 1/16W J
	R5394	NRSA63J-823X	MG R	82kΩ 1/16W J
	R5395	NRSA63J-221X	MG R	220Ω 1/16W J
	R5396	NRSA63J-221X	MG R	220Ω 1/16W J
	R5501	NRSA63J-221X	MG R	220Ω 1/16W J
	R5502	NRSA63J-221X	MG R	220Ω 1/16W J
	R5503	NRSA63J-221X	MG R	220Ω 1/16W J
	R5504	NRSA63J-221X	MG R	220Ω 1/16W J
	R5505	NRSA63J-221X	MG R	220Ω 1/16W J
	R5507	NRSA63J-333X	MG R	33kΩ 1/16W J
	R5508	NRSA63J-153X	MG R	15kΩ 1/16W J
	R5509	NRSA63J-221X	MG R	220Ω 1/16W J
	R5510	NRSA63J-221X	MG R	220Ω 1/16W J
	R5511	NRSA63J-221X	MG R	220Ω 1/16W J
	R5512	NRSA63J-221X	MG R	220Ω 1/16W J
	R5513	NRSA63J-153X	MG R	15kΩ 1/16W J
	R5514	NRSA63J-103X	MG R	10kΩ 1/16W J
	R5515	NRSA63J-103X	MG R	10kΩ 1/16W J
	R5516	NRSA63J-103X	MG R	10kΩ 1/16W J
	R5517	NRSA63J-103X	MG R	10kΩ 1/16W J
	R5519	NRSA63J-750X	MG R	75Ω 1/16W J
	R5520	NRSA63J-750X	MG R	75Ω 1/16W J
	R5521	NRSA63J-750X	MG R	75Ω 1/16W J
	R5522	NRSA63J-224X	MG R	220kΩ 1/16W J
	R5523	NRSA63J-224X	MG R	220kΩ 1/16W J
	R5527	NRSA63J-750X	MG R	75Ω 1/16W J
	R5532	NRSA63J-224X	MG R	220kΩ 1/16W J
	R5533	NRSA63J-224X	MG R	220kΩ 1/16W J
	R5541	NRSA63J-221X	MG R	220Ω 1/16W J
	R5542	NRSA63J-221X	MG R	220Ω 1/16W J
	R5543	NRSA63J-221X	MG R	220Ω 1/16W J
	R5544	NRSA63J-331X	MG R	330Ω 1/16W J
	R5545	NRSA63J-331X	MG R	330Ω 1/16W J
	R5546	NRSA63J-103X	MG R	10kΩ 1/16W J
	R5558	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R5559	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R5560	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R5561	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R5564	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R5565	NRSA63J-0R0X	MG R	0.0Ω 1/16W J

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C5001	QENC1HM-475Z	E CAP.	4.7μF 50V M
	C5002	NCB31HK-562X	C CAP.	5600pF 50V K
	C5003	NCB31HK-123X	C CAP.	0.012μF 50V K
	C5004	QETN1HM-105Z	E CAP.	1μF 50V M
	C5005	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C5006	QETN1HM-106Z	E CAP.	10μF 50V M
	C5007	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C5008	QETN1CM-107Z	E CAP.	100μF 16V M
	C5009	QENC1HM-475Z	E CAP.	4.7μF 50V M
	C5010	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C5011	QENC1HM-475Z	E CAP.	4.7μF 50V M
	C5012	NCB31HK-272X	C CAP.	2700pF 50V K
	C5013	NCB31HK-473X	C CAP.	0.047μF 50V K
	C5014	QENC1HM-475Z	E CAP.	4.7μF 50V M
	C5015	QBTC1CK-106Z	TAN.CAP.	10μF 16V K
	C5016	QETN1HM-105Z	E CAP.	1μF 50V M
	C5017	QENC1HM-105Z	E CAP.	1μF 50V M
	C5018	QETN1HM-105Z	E CAP.	1μF 50V M
	C5019	NCB31HK-223X	C CAP.	0.022μF 50V K
	C5020	NCB31HK-472X	C CAP.	4700pF 50V K
	C5021	QENC1HM-475Z	E CAP.	4.7μF 50V M
	C5022	NCB31EK-104X	C CAP.	0.1μF 25V K
	C5023	NCB31HK-472X	C CAP.	4700pF 50V K
	C5024	QENC1HM-475Z	E CAP.	4.7μF 50V M
	C5025	NCB31EK-104X	C CAP.	0.1μF 25V K
	C5026	QBTC1CK-335Z	TAN.CAP.	3.3μF 16V K
	C5151	QENC1HM-105Z	E CAP.	1μF 50V M
	C5152	QENC1HM-105Z	E CAP.	1μF 50V M
	C5153	NCB31HK-332X	C CAP.	3300pF 50V K
	C5154	NCB31HK-332X	C CAP.	3300pF 50V K
	C5155	NCB31EK-333X	C CAP.	0.033μF 25V K
	C5156	NCB31EK-333X	C CAP.	0.033μF 25V K
	C5157	QETN1HM-106Z	E CAP.	10μF 50V M
	C5158	QETN1HM-106Z	E CAP.	10μF 50V M
	C5159	QETN1EM-476Z	E CAP.	47μF 25V M
	C5160	NCB31EK-104X	C CAP.	0.1μF 25V K
	C5203	QETN1EM-476Z	E CAP.	47μF 25V M
	C5204	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5205	QETN1EM-476Z	E CAP.	47μF 25V M
	C5206	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5211	QENC1CM-106Z	E CAP.	10μF 16V M
	C5212	NDC31HJ-101X	C CAP.	100pF 50V J
	C5213	NDC31HJ-470X	C CAP.	47pF 50V J
	C5214	NDC31HJ-181X	C CAP.	180pF 50V J
	C5215	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C5226	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5231	QETN1CM-107Z	E CAP.	100μF 16V M
	C5232	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5233	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5234	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5235	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5236	QETN1CM-107Z	E CAP.	100μF 16V M
	C5237	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5238	QETN1CM-107Z	E CAP.	100μF 16V M
	C5239	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5240	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5241	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5242	QETN1CM-107Z	E CAP.	100μF 16V M
	C5243	NCB31HK-103X	C CAP.	0.01μF 50V K
	C5246	NDC31HJ-181X	C CAP.	180pF 50V J
	C5247	NCB31HK-103X	C CAP.	0.01μF 50V K

[AV-32D503/M]

⚠	Symbol No.	Part No.	Part Name	Description		
	CAPACITOR					
	C5251	QETN1EM-476Z	E CAP.	47μF	25V	M
	C5252	NCB31HK-103X	C CAP.	0.01μF	50V	K
	C5255	NDC31HJ-390X	C CAP.	39pF	50V	J
	C5263	NDC31HJ-150X	C CAP.	15pF	50V	J
	C5391	QETN1HM-474Z	E CAP.	0.47μF	50V	M
	C5392	QETN1HM-474Z	E CAP.	0.47μF	50V	M
	C5501	QETN1HM-225Z	E CAP.	2.2μF	50V	M
	C5502	QETN1HM-225Z	E CAP.	2.2μF	50V	M
	C5503	QETN1EM-476Z	E CAP.	47μF	25V	M
	C5504	QENC1CM-476Z	E CAP.	47μF	16V	M
	C5506	QETN1EM-476Z	E CAP.	47μF	25V	M
	C5508	QETN1EM-476Z	E CAP.	47μF	25V	M
	C5509	NCB31HK-103X	C CAP.	0.01μF	50V	K
	C5520	QETN1HM-225Z	E CAP.	2.2μF	50V	M
	C5521	QETN1HM-225Z	E CAP.	2.2μF	50V	M
	C5531	NCB31HK-103X	C CAP.	0.01μF	50V	K
	C5532	QETN1EM-476Z	E CAP.	47μF	25V	M
	C5533	NCB31HK-103X	C CAP.	0.01μF	50V	K
	C5534	QENC1CM-476Z	E CAP.	47μF	16V	M
	COIL					
	L5202	QQL244K-150Z	COIL	15μH		K
	L5211	QQL244K-4R7Z	COIL	4.7μH		K
	L5241	QQL244K-4R7Z	COIL	4.7μH		K
	L5242	QQL244K-4R7Z	COIL	4.7μH		K
	L5243	QQL244K-4R7Z	COIL	4.7μH		K
	L5244	QQL244K-4R7Z	COIL	4.7μH		K
	L5245	QQL244K-4R7Z	COIL	4.7μH		K
	L5261	QQL244K-150Z	COIL	15μH		K
	DIODE					
	D5391	MTZJ9.1C-T2	Z DIODE			
	D5392	MTZJ9.1C-T2	Z DIODE			
	D5501	MTZJ9.1C-T2	Z DIODE			
	D5502	MTZJ9.1C-T2	Z DIODE			
	D5503	MTZJ9.1C-T2	Z DIODE			
	D5504	MTZJ9.1C-T2	Z DIODE			
	D5505	MTZJ9.1C-T2	Z DIODE			
	D5507	MTZJ9.1C-T2	Z DIODE			
	D5508	MTZJ9.1C-T2	Z DIODE			
	D5509	MTZJ9.1C-T2	Z DIODE			
	D5510	MTZJ9.1C-T2	Z DIODE			
	D5511	MTZJ9.1C-T2	Z DIODE			
	D5512	MTZJ9.1C-T2	Z DIODE			
	D5513	MTZJ9.1C-T2	Z DIODE			
	TRANSISTOR					
	Q5211	2SD601A/QR/-X	TRANSISTOR			
	Q5212	2SD601A/QR/-X	TRANSISTOR			
	Q5251	2SD601A/QR/-X	TRANSISTOR			
	Q5252	2SB709A/QR/-X	TRANSISTOR			
	Q5253	2SD601A/QR/-X	TRANSISTOR			
	Q5261	2SD601A/QR/-X	TRANSISTOR			
	Q5262	2SD601A/QR/-X	TRANSISTOR			
	Q5263	2SB709A/QR/-X	TRANSISTOR			
	Q5384	DTC323TK-X	DIGI TRANSISTOR			
	Q5385	DTC323TK-X	DIGI TRANSISTOR			
	Q5386	DTC323TK-X	DIGI TRANSISTOR			
	Q5387	DTC323TK-X	DIGI TRANSISTOR			
	IC					
	IC5001	CXA2134Q	IC			
	IC5151	NJM2150AD	IC			
	IC5201	TC90A49P	IC			
	IC5501	TA1218AN	IC			
	OTHERS					
	CN5001	QGB1505K1-35	B TO B CONNE			
	CN5006	QGA2501C5-05Z	W TO B CONNE			
	J5501	QNZ0454-001	AV JACK			
	J5502	QNN0349-001	PIN JACK			
	J5503	QNN0348-001	PIN JACK			

FRONT AV IN P.W. BOARD ASS'Y (SGE-6001A-M2)

⚠	Symbol No.	Part No.	Part Name	Description		
	RESISTOR					
	R6401	NRSA63J-750X	MG R	75Ω	1/16W	J
	R6402	NRSA63J-224X	MG R	220kΩ	1/16W	J
	R6403	NRSA63J-224X	MG R	220kΩ	1/16W	J
	CAPACITOR					
	C6401	QETN1CM-476Z	E CAP.	47μF	16V	M
	C6402	QETN1HM-225Z	E CAP.	2.2μF	50V	M
	C6403	QETN1HM-225Z	E CAP.	2.2μF	50V	M
	OTHERS					
	CN6006	QJB003-054010	SIN ID C-B WIRE			
	J6401	QNN0281-003	PIN JACK			
	J6401	CEMN065-001	PIN JACK			
	J6402	QNN0281-002	PIN JACK			
	J6402	CEMN065-002	PIN JACK			
	J6403	QNN0282-001	PIN JACK			
	J6403	CEMN072-003	PIN JACK			
	LC6401	QQR1199-001	EMI FILTER			

FRONT CONTROL P.W. BOARD ASS'Y (SGE-7001A-M2)

⚠	Symbol No.	Part No.	Part Name	Description		
	RESISTOR					
	R7702	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R7703	NRSA63J-102X	MG R	1kΩ	1/16W	J
	R7704	NRSA63J-152X	MG R	1.5kΩ	1/16W	J
	R7705	NRSA63J-272X	MG R	2.7kΩ	1/16W	J
	R7706	NRSA63J-562X	MG R	5.6kΩ	1/16W	J
	R7708	NRSA63J-152X	MG R	1.5kΩ	1/16W	J
	R7709	NRSA63J-561X	MG R	560Ω	1/16W	J
	CAPACITOR					
	C7701	QETN1EM-476Z	E CAP.	47μF	25V	M
	DIODE					
	D7701	SLR-342VR3F	LED			
	TRANSISTOR					
	Q7702	UN2112-X	DIGI TRANSISTOR			
	IC					
	IC7701	GP1U281Q	IR DETECT UNIT			
	OTHERS					
	CN7007	QJB003-074826	SIN ID C-B WIRE			
	S7701	QSW0619-003Z	TACT SWITCH	POWER		
	S7702	QSW0619-003Z	TACT SWITCH	MENU		
	S7703	QSW0619-003Z	TACT SWITCH	CH-		
	S7704	QSW0619-003Z	TACT SWITCH	CH+		
	S7705	QSW0619-003Z	TACT SWITCH	VOL-		
	S7706	QSW0619-003Z	TACT SWITCH	VOL+		

[AV-32D503/R]

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SGE-1022A-M2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R002	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R003	NRSA63J-101X	MG R	100Ω 1/16W J
	R004	NRSA63J-101X	MG R	100Ω 1/16W J
	R005	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R008	NRSA63J-820X	MG R	82Ω 1/16W J
	R009	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R101	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R102	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R103	QRE121J-101Y	C R	100Ω 1/2W J
	R104	NRSA63J-180X	MG R	18Ω 1/16W J
	R105	NRSA63J-270X	MG R	27Ω 1/16W J
	R111	NRSA63J-394X	MG R	390kΩ 1/16W J
	R112	NRSA63J-334X	MG R	330kΩ 1/16W J
	R113	NRSA63J-101X	MG R	100Ω 1/16W J
	R115	NRSA63J-101X	MG R	100Ω 1/16W J
	R116	NRSA63J-680X	MG R	68Ω 1/16W J
	R117	NRSA63J-273X	MG R	27kΩ 1/16W J
	R118	NRSA63J-223X	MG R	22kΩ 1/16W J
	R131	NRSA63J-102X	MG R	1kΩ 1/16W J
	R132	NRSA63J-331X	MG R	330Ω 1/16W J
	R133	NRSA63J-821X	MG R	820Ω 1/16W J
	R134	NRSA63J-561X	MG R	560Ω 1/16W J
	R135	NRSA63J-102X	MG R	1kΩ 1/16W J
	R161	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R162	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R163	NRSA63J-223X	MG R	22kΩ 1/16W J
	R164	NRSA63J-102X	MG R	1kΩ 1/16W J
	R165	NRSA63J-223X	MG R	22kΩ 1/16W J
	R166	NRSA63J-103X	MG R	10kΩ 1/16W J
	R167	NRSA63J-102X	MG R	1kΩ 1/16W J
	R168	NRSA63J-101X	MG R	100Ω 1/16W J
	R169	NRSA63J-561X	MG R	560Ω 1/16W J
	R171	NRSA63J-103X	MG R	10kΩ 1/16W J
	R201	NRSA63J-223X	MG R	22kΩ 1/16W J
	R212	NRSA63J-272X	MG R	2.7kΩ 1/16W J
	R215	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R216	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R217	NRSA63J-102X	MG R	1kΩ 1/16W J
	R222	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R227	NRSA63J-104X	MG R	100kΩ 1/16W J
	R231	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R237	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R238	NRSA63J-473X	MG R	47kΩ 1/16W J
	R241	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R243	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R281	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R282	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R283	NRSA63J-681X	MG R	680Ω 1/16W J
	R286	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R287	NRSA63J-101X	MG R	100Ω 1/16W J
	R288	NRSA63J-471X	MG R	470Ω 1/16W J
	R289	NRSA63J-154X	MG R	150kΩ 1/16W J
	R290	NRSA63J-561X	MG R	560Ω 1/16W J
	R292	NRSA63J-124X	MG R	120kΩ 1/16W J
	R293	NRSA63J-224X	MG R	220kΩ 1/16W J
	R301	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R302	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R303	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R304	NRSA63J-101X	MG R	100Ω 1/16W J
	R305	NRSA63J-101X	MG R	100Ω 1/16W J
	R306	NRSA63J-101X	MG R	100Ω 1/16W J
	R354	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R355	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R356	NRSA63J-123X	MG R	12kΩ 1/16W J
	R359	NRSA63J-103X	MG R	10kΩ 1/16W J
	R360	NCB31HK-103X	C CAP.	0.01μF 50V K
	R421	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R423	NRSA63J-393X	MG R	39kΩ 1/16W J
	R424	NRSA63J-393X	MG R	39kΩ 1/16W J
	R426	NRSA63J-183X	MG R	18kΩ 1/16W J
	R427	QRT029J-1R5	MF R	1.5Ω 2W J
	R432	NRSA63J-101X	MG R	100Ω 1/16W J
	R433	NRSA63J-681X	MG R	680Ω 1/16W J
	R434	QRL029J-181	OM R	180Ω 2W J
	R435	QRE121J-102Y	C R	1kΩ 1/2W J
	R441	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R447	NRSA63J-104X	MG R	100kΩ 1/16W J
	R448	NRSA63J-473X	MG R	47kΩ 1/16W J
	R449	NRSA63J-103X	MG R	10kΩ 1/16W J
	R501	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R502	NRSA63J-271X	MG R	270Ω 1/16W J
	R503	QRE121J-103Y	C R	10kΩ 1/2W J
	R504	QRL039J-102	OM R	1kΩ 3W J
	R505	QRL039J-102	OM R	1kΩ 3W J
	R511	QRE121J-220Y	C R	22Ω 1/2W J
	R512	QRE121J-681Y	C R	680Ω 1/2W J
	R523	QRJ146J-333X	C R	33kΩ 1/4W J
	R526	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R527	QRE121J-154Y	C R	150kΩ 1/2W J
	R528	QRE121J-154Y	C R	150kΩ 1/2W J
	R529	NRSA63J-331X	MG R	330Ω 1/16W J
	R531	QRJ146J-391X	C R	390Ω 1/4W J
	R532	NRSA63J-273X	MG R	27kΩ 1/16W J
	R533	NRSA63J-123X	MG R	12kΩ 1/16W J
	R534	NRSA63J-123X	MG R	12kΩ 1/16W J
⚠	R535	NRVA02D-222X	MF R	2.2kΩ 1/10W D
⚠	R537	NRVA02D-752X	MF R	7.5kΩ 1/10W D
	R538	NRSA63J-333X	MG R	33kΩ 1/16W J
	R543	QRE121J-122Y	C R	1.2kΩ 1/2W J
	R544	QRE121J-392Y	C R	3.9kΩ 1/2W J
	R545	QRE121J-822Y	C R	8.2kΩ 1/2W J
	R546	NRSA63J-331X	MG R	330Ω 1/16W J
	R547	NRSA63J-104X	MG R	100kΩ 1/16W J
	R548	QRE121J-152Y	C R	1.5kΩ 1/2W J
	R553	QRL039J-180	OM R	18Ω 3W J
⚠	R554	QRK126J-150X	C R	15Ω 1/2W J
	R555	QRX029J-3R3	MF R	3.3Ω 2W J
	R601	NRSA63J-750X	MG R	75Ω 1/16W J
	R602	NRSA63J-750X	MG R	75Ω 1/16W J
	R603	NRSA63J-750X	MG R	75Ω 1/16W J
	R614	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R615	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R621	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R622	NRSA63J-681X	MG R	680Ω 1/16W J
	R623	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R624	NRSA63J-681X	MG R	680Ω 1/16W J
	R626	NRSA63J-223X	MG R	22kΩ 1/16W J
	R627	NRSA63J-223X	MG R	22kΩ 1/16W J
	R631	NRSA63J-333X	MG R	33kΩ 1/16W J
	R632	NRSA63J-223X	MG R	22kΩ 1/16W J
	R638	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R639	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R651	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R652	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R653	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R655	NRSA63J-153X	MG R	15kΩ 1/16W J
	R700	NRSA63J-102X	MG R	1kΩ 1/16W J
	R701	NRSA63J-103X	MG R	10kΩ 1/16W J
	R702	NRSA63J-102X	MG R	1kΩ 1/16W J
	R704	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R705	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R706	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R707	NRSA63J-103X	MG R	10kΩ 1/16W J
	R708	NRSA63J-101X	MG R	100Ω 1/16W J
	R709	NRSA63J-101X	MG R	100Ω 1/16W J
	R714	NRSA63J-823X	MG R	82kΩ 1/16W J
	R715	NRSA63J-103X	MG R	10kΩ 1/16W J
	R718	NRSA63J-223X	MG R	22kΩ 1/16W J
	R721	NRSA63J-102X	MG R	1kΩ 1/16W J
	R728	NRSA63J-102X	MG R	1kΩ 1/16W J
	R729	NRSA63J-223X	MG R	22kΩ 1/16W J
	R731	NRSA63J-101X	MG R	100Ω 1/16W J

[AV-32D503/R]

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R732	NRSA63J-101X	MG R	100Ω 1/16W J
	R733	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R734	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R737	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R739	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R740	NRSA63J-103X	MG R	10kΩ 1/16W J
	R754	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R755	NRSA63J-153X	MG R	15kΩ 1/16W J
	R756	NRSA63J-103X	MG R	10kΩ 1/16W J
	R764	NRSA63J-221X	MG R	220Ω 1/16W J
	R765	NRSA63J-221X	MG R	220Ω 1/16W J
	R766	NRSA63J-221X	MG R	220Ω 1/16W J
	R767	NRSA63J-221X	MG R	220Ω 1/16W J
	R769	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R772	NRSA63J-103X	MG R	10kΩ 1/16W J
	R775	NRSA63J-473X	MG R	47kΩ 1/16W J
	R776	NRSA63J-103X	MG R	10kΩ 1/16W J
	R811	NRSA63J-473X	MG R	47kΩ 1/16W J
	R812	NRSA63J-102X	MG R	1kΩ 1/16W J
	R816	NRSA63J-124X	MG R	120kΩ 1/16W J
	R821	NRSA63J-184X	MG R	180kΩ 1/16W J
	R822	NRSA63J-124X	MG R	120kΩ 1/16W J
	R827	NRSA63J-102X	MG R	1kΩ 1/16W J
	R855	QRG039J-100	OM R	10Ω 3W J
⚠	R857	QRL029J-330	OM R	33Ω 2W J
⚠	R858	QRL029J-390	OM R	39Ω 2W J
⚠	R901	QRF074K-R47	UNF R	0.47Ω 7W K
⚠	R909	QRG01GJ-470	OM R	47Ω 1W J
	R911	QRE121J-223Y	C R	22kΩ 1/2W J
	R912	QRT029J-R22	MF R	0.22Ω 2W J
	R913	QRT029J-R22	MF R	0.22Ω 2W J
	R914	QRK126J-681X	C R	680Ω 1/2W J
	R915	QRK129J-6R8	C R	6.8Ω 1/2W J
	R917	QRK126J-332X	C R	3.3kΩ 1/2W J
	R918	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R919	QRE121J-684Y	C R	680kΩ 1/2W J
	R924	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R930	QRE121J-223Y	C R	22kΩ 1/2W J
	R939	QRT039J-2R2	MF R	2.2Ω 3W J
	R940	QRE121J-181Y	C R	180Ω 1/2W J
	R941	QRL029J-183	OM R	18kΩ 2W J
	R950	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R951	NRSA63J-473X	MG R	47kΩ 1/16W J
	R952	NRSA63J-102X	MG R	1kΩ 1/16W J
	R953	QRE121J-820Y	C R	82Ω 1/2W J
	R973	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R975	QRE121J-223Y	C R	22kΩ 1/2W J
	R977	QRE121J-473Y	C R	47kΩ 1/2W J
	R978	NRSA63J-333X	MG R	33kΩ 1/16W J
	R979	QRT029J-1R2	MF R	1.2Ω 2W J
	R980	QRT029J-1R2	MF R	1.2Ω 2W J
⚠	R998	QRZ9041-275	C R	2.7MΩ 1/2W K
	R999	QRE121J-121Y	C R	120Ω 1/2W J

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C001	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C003	QETN1HM-106Z	E CAP.	10μF 50V M
	C004	QETN1CM-108Z	E CAP.	1000μF 16V M
	C006	QETN1EM-476Z	E CAP.	47μF 25V M
	C101	NCB31HK-103X	C CAP.	0.01μF 50V K
	C102	NCB31HK-103X	C CAP.	0.01μF 50V K
	C104	NCB31HK-103X	C CAP.	0.01μF 50V K
	C105	NCB31HK-103X	C CAP.	0.01μF 50V K
	C106	QETN1EM-476Z	E CAP.	47μF 25V M
	C107	NCB31HK-103X	C CAP.	0.01μF 50V K
	C113	NCB31HK-103X	C CAP.	0.01μF 50V K
	C114	NCB31HK-103X	C CAP.	0.01μF 50V K
	C116	QFVF1HJ-224Z	MF CAP.	0.22μF 50V J
	C117	QETN1EM-476Z	E CAP.	47μF 25V M
	C118	NCB31HK-103X	C CAP.	0.01μF 50V K
	C119	NDC31HJ-681X	C CAP.	680pF 50V J
	C120	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C124	NCB31HK-103X	C CAP.	0.01μF 50V K
	C131	NCB31HK-103X	C CAP.	0.01μF 50V K

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C161	QETN1HM-106Z	E CAP.	10μF 50V M
	C163	NDC31HJ-470X	C CAP.	47pF 50V J
	C164	NDC31HJ-470X	C CAP.	47pF 50V J
	C165	NCB31HK-103X	C CAP.	0.01μF 50V K
	C166	NCB31HK-103X	C CAP.	0.01μF 50V K
	C202	QETN1HM-105Z	E CAP.	1μF 50V M
	C203	NCB31HK-152X	C CAP.	1500pF 50V K
	C211	QENC1CM-106Z	E CAP.	10μF 16V M
	C212	NDC31HJ-100X	C CAP.	10pF 50V J
	C221	QETN1HM-106Z	E CAP.	10μF 50V M
	C222	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C223	NCB31HK-103X	C CAP.	0.01μF 50V K
	C233	NDC31HJ-680X	C CAP.	68pF 50V J
	C237	NCB31HK-103X	C CAP.	0.01μF 50V K
	C241	NCB31HK-103X	C CAP.	0.01μF 50V K
	C242	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C243	QETN1CM-107Z	E CAP.	100μF 16V M
	C244	NCB31HK-103X	C CAP.	0.01μF 50V K
	C281	QFVF1HJ-474Z	MF CAP.	0.47μF 50V J
	C282	QETN1CM-107Z	E CAP.	100μF 16V M
	C283	NCB31HK-103X	C CAP.	0.01μF 50V K
	C284	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C285	NCB31HK-103X	C CAP.	0.01μF 50V K
	C286	QETN1HM-106Z	E CAP.	10μF 50V M
	C287	QETN1CM-107Z	E CAP.	100μF 16V M
	C288	NCB31HK-103X	C CAP.	0.01μF 50V K
	C352	QETN1CM-336Z	E CAP.	33μF 16V M
	C354	NCB31HK-103X	C CAP.	0.01μF 50V K
	C391	QETN1CM-107Z	E CAP.	100μF 16V M
	C392	NCB31HK-103X	C CAP.	0.01μF 50V K
	C422	QFLC2AJ-102Z	M CAP.	1000pF 100V J
	C424	QETN1VM-107Z	E CAP.	100μF 35V M
	C425	QETN1VM-477Z	E CAP.	470μF 35V M
	C427	QETN1HM-105Z	E CAP.	1μF 50V M
	C428	QETM1EM-228	E CAP.	2200μF 25V M
	C431	QFLC2AK-563Z	M CAP.	0.056μF 100V K
	C432	QETN1EM-476Z	E CAP.	47μF 25V M
	C433	QETN1EM-476Z	E CAP.	47μF 25V M
	C435	NCB21HK-183X	C CAP.	0.018μF 50V K
	C440	QCS32HJ-220Z	C CAP.	22pF 500V J
	C501	QCB32HK-151Z	C CAP.	150pF 500V K
	C502	QCB32HK-331Z	C CAP.	330pF 500V K
	C503	QEHR2CM-105Z	E CAP.	1μF 160V M
	C504	QEZ0203-107	E CAP.	100μF 160V M
	C507	QEM61HK-475Z	E CAP.	4.7μF 50V K
	C508	QEM61HK-475Z	E CAP.	4.7μF 50V K
⚠	C510	QFZ0200-532	MPP CAP.	5300pF 1.5kVH ±3%
⚠	C510	or QFZ0196-532	MPP CAP.	5300pF 1.5kVH ±3%
⚠	C513	QFZ0198-133	MPP CAP.	0.013μF 1.5kVH ±3%
⚠	C514	QFP32GJ-183	PP CAP.	0.018μF 400V J
⚠	C515	QFZ0199-564	MPP CAP.	0.56μF 250V J
⚠	C515	or QFZ0197-564	MPP CAP.	0.56μF 250V J
	C516	QCB32HK-561Z	C CAP.	560pF 500V K
	C521	QETN2EM-106Z	E CAP.	10μF 250V M
	C523	QEHR1VM-108Z	E CAP.	1000μF 35V M
	C525	QETN1VM-107Z	E CAP.	100μF 35V M
	C526	QFV21HJ-824Z	MF CAP.	0.82μF 50V J
	C527	QFLC2AJ-103Z	M CAP.	0.01μF 100V J
	C531	QCB32HK-102Z	C CAP.	1000pF 500V K
	C533	QETN1HM-106Z	E CAP.	10μF 50V M
	C601	QETN1EM-476Z	E CAP.	47μF 25V M
	C602	QETN1EM-476Z	E CAP.	47μF 25V M
	C603	QETN1EM-476Z	E CAP.	47μF 25V M
	C604	NCB31EK-104X	C CAP.	0.1μF 25V K
	C605	NCB31EK-104X	C CAP.	0.1μF 25V K
	C606	NCB31EK-104X	C CAP.	0.1μF 25V K
	C607	QETN1AM-477Z	E CAP.	470μF 10V M
	C608	NCB31HK-103X	C CAP.	0.01μF 50V K
	C609	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C610	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C611	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C621	NCB31HK-102X	C CAP.	1000pF 50V K
	C622	NCF21CZ-105X	C CAP.	1μF 16V Z
	C623	NCB31HK-102X	C CAP.	1000pF 50V K
	C624	NCF21CZ-105X	C CAP.	1μF 16V Z
	C625	QETN1CM-107Z	E CAP.	100μF 16V M

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CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C626	QETN1EM-108Z	E CAP.	1000μF 25V M
	C627	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C628	QETN1EM-108Z	E CAP.	1000μF 25V M
	C629	QETN1EM-108Z	E CAP.	1000μF 25V M
	C636	QETN1HM-105Z	E CAP.	1μF 50V M
	C637	QETN1HM-105Z	E CAP.	1μF 50V M
	C652	NCB31EK-104X	C CAP.	0.1μF 25V K
	C653	NCB31EK-104X	C CAP.	0.1μF 25V K
	C654	NCB31EK-104X	C CAP.	0.1μF 25V K
	C655	NCB31HK-103X	C CAP.	0.01μF 50V K
	C656	NDC31HJ-150X	C CAP.	15pF 50V J
	C657	NDC31HJ-150X	C CAP.	15pF 50V J
	C658	NDC31HJ-150X	C CAP.	15pF 50V J
	C700	NCB31HK-102X	C CAP.	1000pF 50V K
	C701	QETN1HM-106Z	E CAP.	10μF 50V M
	C702	QETN1HM-106Z	E CAP.	10μF 50V M
	C703	QETN1HM-106Z	E CAP.	10μF 50V M
	C704	QETN1CM-107Z	E CAP.	100μF 16V M
	C705	NCB31HK-103X	C CAP.	0.01μF 50V K
	C706	QETN1HM-105Z	E CAP.	1μF 50V M
	C708	NDC31HJ-220X	C CAP.	22pF 50V J
	C709	NDC31HJ-220X	C CAP.	22pF 50V J
	C711	QETN1CM-107Z	E CAP.	100μF 16V M
	C712	NCB31HK-103X	C CAP.	0.01μF 50V K
	C716	QETN1HM-106Z	E CAP.	10μF 50V M
	C721	NCB31HK-103X	C CAP.	0.01μF 50V K
	C726	NDC31HJ-561X	C CAP.	560pF 50V J
	C728	NCB31HK-103X	C CAP.	0.01μF 50V K
	C807	QETN1AM-477Z	E CAP.	470μF 10V M
	C813	NCB31HK-102X	C CAP.	1000pF 50V K
	C815	NCB31HK-103X	C CAP.	0.01μF 50V K
	C853	QETN1CM-227Z	E CAP.	220μF 16V M
	C854	QETN1CM-227Z	E CAP.	220μF 16V M
	C856	QETN1CM-227Z	E CAP.	220μF 16V M
	C857	QETN1CM-477Z	E CAP.	470μF 16V M
⚠	C901	QFZ9072-104	MF CAP.	0.1μFAC275V K
⚠	C901	or QFZ9075-104	MPP CAP.	0.1μFAC275V M
⚠	C902	QFZ9072-473	MF CAP.	0.047μFAC275V K
⚠	C902	or QFZ9075-473	MPP CAP.	0.047μFAC275V M
⚠	C904	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C905	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C906	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C907	QEZ0169-477	E CAP.	470μF 200V M
⚠	C908	QCZ9079-102	C CAP.	1000pFAC250V M
⚠	C908	or QCZ9054-102	C CAP.	1000p FAC250V Z
	C912	QCZ0340-222	C CAP.	2200pF 2kV K
	C913	QFLC1HJ-471Z	M CAP.	470pF 50V J
	C914	QETN1HM-107Z	E CAP.	100μF 50V M
	C916	NDC31HJ-331X	C CAP.	330pF 50V J
	C917	NCB31HK-182X	C CAP.	1800pF 50V K
	C918	NCB21HK-104X	C CAP.	0.1μF 50V K
	C919	QFP32GJ-103	PP CAP.	0.01μF 400V J
	C931	QEZ0203-107	E CAP.	100μF 160V M
	C933	QETN1CM-108Z	E CAP.	1000μF 16V M
	C934	NDC31HJ-151X	C CAP.	150pF 50V J
	C935	QETN1EM-108Z	E CAP.	1000μF 25V M
	C937	QCZ0340-102	C CAP.	1000pF 2kV K
	C938	QETN1CM-477Z	E CAP.	470μF 16V M
	C939	QCB32HK-152Z	C CAP.	1500pF 500V K
	C941	QCB32HK-102Z	C CAP.	1000pF 500V K
	C942	QEHR1HM-105Z	E CAP.	1μF 50V M
	C951	QETN1EM-477Z	E CAP.	470μF 25V M
	C952	QETN1CM-227Z	E CAP.	220μF 16V M
	C971	QETN1CM-107Z	E CAP.	100μF 16V M
	C972	QETN1EM-476Z	E CAP.	47μF 25V M
	C973	QETN1HM-106Z	E CAP.	10μF 50V M
⚠	C997	QCZ9052-102	C CAP.	1000pFAC125V M
⚠	C998	QCZ9074-103	C CAP.	0.01μFAC250V M
⚠	C999	QCZ9074-103	C CAP.	0.01μFAC250V M

TRANSF

⚠	Symbol No.	Part No.	Part Name	Description
	T111	QQR0907-001	IFT	
	T501	CE42034-002	HOR DRIVE TRANS	
⚠	T502	QQH0121-001	FB TRANSF	
⚠	T921	QQS0138-001	SW TRANSF	
⚠	T951	QQT0372-001	POWER TRANSF	or QQT0355-001

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L001	QQL244K-560Z	COIL	56μH K
	L101	QQLZ014-R22	INDUCTOR	
	L113	QQL244K-4R7Z	COIL	4.7μH K
	L131	QQL244K-150Z	COIL	15μH K
	L161	QQL244K-220Z	INDUCTOR	
	L232	QQL244K-560Z	COIL	56μH K
	L241	QQL244K-220Z	INDUCTOR	
	L391	QQL244K-220Z	INDUCTOR	
⚠	L511	CE41029-00A	LINEARITY COIL	
	L512	QQLZ036-821	INDUCTOR	or QQLZ027-821
⚠	L521	QQLZ026-540	INDUCTOR	
	L701	QQL244K-220Z	INDUCTOR	
	L702	QQL244K-220Z	INDUCTOR	
	L703	QQL244K-220Z	INDUCTOR	
	L704	QQL244K-220Z	INDUCTOR	
	L705	QQL244K-220Z	INDUCTOR	
	L931	QQL26AK-470Z	COIL	47μH K
	L933	QQL26AK-470Z	COIL	47μH K
	L940	QQR0582-001Z	FERRITE BEADS	

DIODE

⚠	Symbol No.	Part No.	Part Name	Description
	D305	1SS133-T2	SI DIODE	
	D306	1SS133-T2	SI DIODE	
	D307	1SS133-T2	SI DIODE	
	D308	1SS133-T2	SI DIODE	
	D309	1SS133-T2	SI DIODE	
	D310	1SS133-T2	SI DIODE	
	D352	MTZJ9.1C-T2	Z DIODE	
	D353	1SS133-T2	SI DIODE	
	D354	MTZJ3.3A-T2	Z DIODE	
	D421	1N4003-T2	SI DIODE	
	D422	MTZJ75-T2	Z DIODE	
	D432	1SS133-T2	SI DIODE	
	D501	RH3G-F1	SI DIODE	
⚠	D502	RU3AM-LFC4	SI DIODE	
	D521	RH1S-T3	SI DIODE	
	D523	RGP10J-5025-T3	SI DIODE	
	D525	1SS81-T5	SI DIODE	
	D526	1SS81-T5	SI DIODE	
	D527	1SR124-400A-T2	SI DIODE	
	D529	MTZJ5.1C-T2	Z DIODE	
⚠	D531	MA4068N/Z1/-T2	Z DIODE	
	D535	1SS133-T2	SI DIODE	
	D537	1SR35-400A-T2	SI DIODE	
	D601	MTZJ9.1C-T2	Z DIODE	
	D602	MTZJ9.1C-T2	Z DIODE	
	D603	MTZJ9.1C-T2	Z DIODE	
	D653	1SS133-T2	SI DIODE	
	D654	1SS133-T2	SI DIODE	
	D700	MTZJ5.6B-T2	Z DIODE	
	D701	1SS133-T2	SI DIODE	
	D703	MTZJ5.6B-T2	Z DIODE	
	D704	MTZJ5.6B-T2	Z DIODE	
	D705	1SS133-T2	SI DIODE	
	D706	MTZJ5.6B-T2	Z DIODE	
	D707	MTZJ5.6B-T2	Z DIODE	
	D708	MTZJ5.6B-T2	Z DIODE	
	D709	MTZJ5.6B-T2	Z DIODE	
	D721	1SS133-T2	SI DIODE	
	D722	1SS133-T2	SI DIODE	
	D723	MTZJ5.6B-T2	Z DIODE	
	D810	MTZJ5.6B-T2	Z DIODE	
⚠	D901	GSIB460-S1	BRIDGE DIODE	
	D910	MA700A-T2	SB DIODE	
⚠	D911	RGP10J-5025-T3	SI DIODE	
⚠	D912	RGP10J-5025-T3	SI DIODE	
⚠	D913	RGP10J-5025-T3	SI DIODE	
	D914	1SS133-T2	SI DIODE	
	D915	SARS01-T2	SI DIODE	
	D917	MTZJ30A-T2	Z DIODE	
	D918	MTZJ5.1C-T2	Z DIODE	
	D920	1SS133-T2	SI DIODE	
	D931	RU30A-F1	SI DIODE	
	D933	RU3YX-LFC4	SI DIODE	
	D935	RU3YX-LFC4	SI DIODE	
	D941	MTZJ33A-T2	Z DIODE	
	D945	MTZJ9.1B-T2	Z DIODE	
	D952	1SS133-T2	SI DIODE	
	D953	1SS133-T2	SI DIODE	
	D954	1N4002G-T2	SI DIODE	

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⚠	Symbol No.	Part No.	Part Name	Description
	DIODE			
	D955	1N4002G-T2	SI DIODE	
	D956	1N4002G-T2	SI DIODE	
	D957	1N4002G-T2	SI DIODE	
	D972	MTZJ15C-T2	Z DIODE	
	D973	1SS133-T2	SI DIODE	
	TRANSISTOR			
	Q001	UN2212-X	DIGI TRANSISTOR	
	Q101	2SC5083/L-P/-T	TRANSISTOR	
	Q131	2SB709A/QR/-X	TRANSISTOR	
	Q161	2SD601A/QR/-X	TRANSISTOR	
	Q211	2SD601A/QR/-X	TRANSISTOR	
	Q232	2SD601A/QR/-X	TRANSISTOR	
	Q233	2SD601A/QR/-X	TRANSISTOR	
	Q352	2SD601A/QR/-X	TRANSISTOR	
	Q431	UN2212-X	DIGI TRANSISTOR	
	Q501	2SC4212/Z1/	TRANSISTOR	
⚠	Q511	2SD2645-YD	POWER TRANSISTO	H.OUT
	Q531	2SC2785/JH/-T	SI TRANSISTOR	
	Q532	2SB709A/QR/-X	TRANSISTOR	
	Q541	2SB709A/QR/-X	TRANSISTOR	
	Q542	2SB709A/QR/-X	TRANSISTOR	
	Q543	2SD1408/OY/-LB	POW TRANSISTOR	
	Q622	2SD601A/QR/-X	TRANSISTOR	
	Q623	UN2212-X	DIGI TRANSISTOR	
	Q700	2SD601A/QR/-X	TRANSISTOR	
	Q701	2SB709A/QR/-X	TRANSISTOR	
	Q705	2SD601A/QR/-X	TRANSISTOR	
	Q951	2SD1383K/AB/-X	TRANSISTOR	
	Q971	2SA1208/ST/Z1-T	TRANSISTOR	
	IC			
	IC101	M52342SP	IC	
	IC201	TM8812CSBNG3U68	IC	
⚠	IC421	LA7841	IC	
	IC601	TA1287F-X	IC	
	IC621	LA4485	IC	
	IC702	AT24C08-32D503	IC	(SERVICE)
	IC703	S-80840ANY-T	IC	
	IC704	AN78L05-T	IC	
	IC852	AN7809F	IC	or BA17809T
	IC853	AN7805F	IC	or BA17805T
⚠	IC911	STR-G6624/F8	IC	
⚠	IC921	SE135N	I C	
	OTHERS			
	CF001	QAX0349-001	C TRAP	
	CF131	QAX0639-001Z	C TRAP	
	CF161	QAX0642-001Z	C FILTER	
	CN001	QGB1505J1-35	B TO B CONNE	
	CN002	QGB1505J1-25	B TO B CONNE	
	CN004	QGA2501C5-05Z	W TO B CONNE	
	CN005	QGA2501C5-04Z	W TO B CONNE	
	CN007	QGA2501C5-07Z	W TO B CONNE	
⚠	CNOPW	QMPD390-200-JS	POWER CORD	or QMPD200-200-JC
⚠	CP932	ICP-N70-T	C PROTECTOR	
⚠	CP936	ICP-N70-T	C PROTECTOR	
⚠	F901	QMF0007-5R0J1	FUSE	5.0A or QMF51U1-5R0-J8
⚠	F905	QMFZ049-5R0Z-E	FUSE	5.0A
	FC901	CEMG002-001Z	FUSE CLIP	
	FC902	CEMG002-001Z	FUSE CLIP	
⚠	FR525	QRZ9017-4R7	F R	4.7Ω 1/4W J
⚠	FR527	QRZ9011-470	F R	47Ω 1/2W J
	J601	QNN0349-002	PIN JACK	
	J810	QNS0001-001	JACK	
	K401	QQR0621-002Z	FERRITE BEADS	
	K912	QQR0582-001Z	FERRITE BEADS	
	K916	QQR0582-001Z	FERRITE BEADS	
	K917	QQR0582-001Z	FERRITE BEADS	
	K918	QQR0582-001Z	FERRITE BEADS	
	K931	QQR0582-001Z	FERRITE BEADS	
	K932	QQR0582-001Z	FERRITE BEADS	
	K933	QQR0621-002Z	FERRITE BEADS	
	K935	QQR0582-001Z	FERRITE BEADS	
	LC601	QQR1199-001	EMI FILTER	
	LC602	QQR1199-001	EMI FILTER	
	LC603	QQR1199-001	EMI FILTER	

⚠	Symbol No.	Part No.	Part Name	Description
	OTHERS			
⚠	LF901	QQR1085-003	LINE FILTER	or QQR0527-003
⚠	PC921	TLP421F/D4-GR/	IC(PHOTO COUPLE	
⚠	RY951	QSK0086-001	RELAY	or QSK0130-001,QSK0085-001
	S421	QSL4A13-C02	LEVER SWITCH	
	SF101	QAX0723-001	SAW FILTER	
⚠	TH901	QAD0132-3R0	P THERMISTOR	
⚠	TU001	QAU0272-001	TUNER	
⚠	VA901	ERZV10V621CS	ZNR	
	X701	QAX0717-001Z	CRYSTAL	

CRT SOCKET P.W. BOARD ASS'Y (SGE-3007A-M2)

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R3354	NRSA63J-221X	MG R	220Ω 1/16W J
	R3355	NRSA63J-221X	MG R	220Ω 1/16W J
	R3356	NRSA63J-221X	MG R	220Ω 1/16W J
	R3357	NRSA63J-101X	MG R	100Ω 1/16W J
	R3358	NRSA63J-101X	MG R	100Ω 1/16W J
	R3359	NRSA63J-101X	MG R	100Ω 1/16W J
	R3360	QRZ0111-152	C R	1.5kΩ 1/2W K
	R3361	QRZ0111-152	C R	1.5kΩ 1/2W K
	R3362	QRZ0111-152	C R	1.5kΩ 1/2W K
	R3363	QRG029J-103	OM R	10kΩ 2W J
	R3364	QRG029J-103	OM R	10kΩ 2W J
	R3365	QRG029J-103	OM R	10kΩ 2W J
	R3366	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R3367	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R3368	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R3372	NRSA63J-221X	MG R	220Ω 1/16W J
	R3373	NRSA63J-221X	MG R	220Ω 1/16W J
	R3374	NRSA63J-221X	MG R	220Ω 1/16W J
	R3375	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R3376	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R3377	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R3381	QRE121J-394Y	C R	390kΩ 1/2W J
	R3391	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R3392	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R3393	NRSA63J-102X	MG R	1kΩ 1/16W J
	R3394	NRSA63J-102X	MG R	1kΩ 1/16W J
	R3395	NRSA63J-102X	MG R	1kΩ 1/16W J
	CAPACITOR			
	C3354	NDC31HJ-331X	C CAP.	330pF 50V J
	C3355	NDC31HJ-331X	C CAP.	330pF 50V J
	C3356	NDC31HJ-391X	C CAP.	390pF 50V J
	C3357	QETN1CM-107Z	E CAP.	100μF 16V M
⚠	C3382	QCZ0121-102	C CAP.	1000pF 3kV Z
	C3391	QETN1AM-227Z	E CAP.	220μF 10V M
	C3392	NDC31HJ-101X	C CAP.	100pF 50V J
	COIL			
	L3381	QQL244K-101Z	PEAKING COIL	
	DIODE			
	D3391	1SS133-T2	SI DIODE	
	TRANSISTOR			
	Q3351	2SC4544-LB	POW TRANSISTOR	
	Q3352	2SC4544-LB	POW TRANSISTOR	
	Q3353	2SC4544-LB	POW TRANSISTOR	
	Q3391	2SA933AS/QR/-T	TRANSISTOR	
	OTHERS			
	CN3004	QJB003-054010	SIN ID C-B WIRE	
	CN3005	WJA0027-002A	E-S ID WIRE	
⚠	SK3351	QNZ0537-001	CRT SOCKET	or QNZ0536-001

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PIP P.W. BOARD ASS'Y (SGE-4001A-M2)

Refer to PARTS LIST in page 44 for this P.W. board

AV SELECTOR P.W. BOARD ASS'Y (SGE-5001A-M2)

Refer to PARTS LIST in page 45 for this P.W. board

FRONT AV IN P.W. BOARD ASS'Y (SGE-6001A-M2)

Refer to PARTS LIST in page 46 for this P.W. board

FRONT CONTROL P.W. BOARD ASS'Y (SGE-7001A-M2)

Refer to PARTS LIST in page 46 for this P.W. board

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PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SGE-1003A-M2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R002	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R003	NRSA63J-101X	MG R	100Ω 1/16W J
	R004	NRSA63J-101X	MG R	100Ω 1/16W J
	R005	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R008	NRSA63J-820X	MG R	82Ω 1/16W J
	R009	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R101	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R102	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R103	QRE121J-101Y	C R	100Ω 1/2W J
	R104	NRSA63J-180X	MG R	18Ω 1/16W J
	R105	NRSA63J-270X	MG R	27Ω 1/16W J
	R111	NRSA63J-394X	MG R	390kΩ 1/16W J
	R112	NRSA63J-334X	MG R	330kΩ 1/16W J
	R113	NRSA63J-101X	MG R	100Ω 1/16W J
	R115	NRSA63J-101X	MG R	100Ω 1/16W J
	R116	NRSA63J-680X	MG R	68Ω 1/16W J
	R117	NRSA63J-273X	MG R	27kΩ 1/16W J
	R118	NRSA63J-223X	MG R	22kΩ 1/16W J
	R131	NRSA63J-102X	MG R	1kΩ 1/16W J
	R132	NRSA63J-331X	MG R	330Ω 1/16W J
	R133	NRSA63J-821X	MG R	820Ω 1/16W J
	R134	NRSA63J-561X	MG R	560Ω 1/16W J
	R135	NRSA63J-102X	MG R	1kΩ 1/16W J
	R161	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R162	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R163	NRSA63J-223X	MG R	22kΩ 1/16W J
	R164	NRSA63J-102X	MG R	1kΩ 1/16W J
	R165	NRSA63J-223X	MG R	22kΩ 1/16W J
	R166	NRSA63J-103X	MG R	10kΩ 1/16W J
	R167	NRSA63J-102X	MG R	1kΩ 1/16W J
	R168	NRSA63J-101X	MG R	100Ω 1/16W J
	R169	NRSA63J-561X	MG R	560Ω 1/16W J
	R171	NRSA63J-103X	MG R	10kΩ 1/16W J
	R201	NRSA63J-223X	MG R	22kΩ 1/16W J
	R212	NRSA63J-272X	MG R	2.7kΩ 1/16W J
	R215	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R216	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R217	NRSA63J-102X	MG R	1kΩ 1/16W J
	R222	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R227	NRSA63J-104X	MG R	100kΩ 1/16W J
	R231	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R237	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R238	NRSA63J-473X	MG R	47kΩ 1/16W J
	R241	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R243	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R281	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R282	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R283	NRSA63J-681X	MG R	680Ω 1/16W J
	R286	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R287	NRSA63J-101X	MG R	100Ω 1/16W J
	R288	NRSA63J-471X	MG R	470Ω 1/16W J
	R289	NRSA63J-154X	MG R	150kΩ 1/16W J
	R290	NRSA63J-561X	MG R	560Ω 1/16W J
	R292	NRSA63J-124X	MG R	120kΩ 1/16W J
	R293	NRSA63J-224X	MG R	220kΩ 1/16W J
	R301	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R302	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R303	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R304	NRSA63J-101X	MG R	100Ω 1/16W J
	R305	NRSA63J-101X	MG R	100Ω 1/16W J
	R306	NRSA63J-101X	MG R	100Ω 1/16W J
	R354	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R355	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R356	NRSA63J-123X	MG R	12kΩ 1/16W J
	R359	NRSA63J-103X	MG R	10kΩ 1/16W J
	R360	NCB31HK-103X	C CAP.	0.01μF 50V K
	R421	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R423	NRSA63J-393X	MG R	39kΩ 1/16W J
	R424	NRSA63J-393X	MG R	39kΩ 1/16W J
	R426	NRSA63J-183X	MG R	18kΩ 1/16W J
	R427	QRT029J-1R5	MF R	1.5Ω 2W J
	R432	NRSA63J-101X	MG R	100Ω 1/16W J
	R433	NRSA63J-681X	MG R	680Ω 1/16W J
	R434	QRL029J-181	OM R	180Ω 2W J
	R435	QRE121J-102Y	C R	1kΩ 1/2W J
	R441	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R447	NRSA63J-104X	MG R	100kΩ 1/16W J
	R448	NRSA63J-473X	MG R	47kΩ 1/16W J
	R449	NRSA63J-103X	MG R	10kΩ 1/16W J
	R501	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R502	NRSA63J-271X	MG R	270Ω 1/16W J
	R503	QRE121J-103Y	C R	10kΩ 1/2W J
	R504	QRL039J-102	OM R	1kΩ 3W J
	R505	QRL039J-102	OM R	1kΩ 3W J
	R511	QRE121J-220Y	C R	22Ω 1/2W J
	R512	QRE121J-681Y	C R	680Ω 1/2W J
	R523	QRJ146J-333X	C R	33kΩ 1/4W J
	R526	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R527	QRE121J-154Y	C R	150kΩ 1/2W J
	R528	QRE121J-154Y	C R	150kΩ 1/2W J
	R529	NRSA63J-331X	MG R	330Ω 1/16W J
	R531	QRJ146J-391X	C R	390Ω 1/4W J
	R532	NRSA63J-273X	MG R	27kΩ 1/16W J
	R533	NRSA63J-123X	MG R	12kΩ 1/16W J
	R534	NRSA63J-123X	MG R	12kΩ 1/16W J
⚠	R535	NRVA02D-222X	MF R	2.2kΩ 1/10W D
⚠	R537	NRVA02D-752X	MF R	7.5kΩ 1/10W D
	R538	NRSA63J-333X	MG R	33kΩ 1/16W J
	R543	QRE121J-122Y	C R	1.2kΩ 1/2W J
	R544	QRE121J-392Y	C R	3.9kΩ 1/2W J
	R545	QRE121J-822Y	C R	8.2kΩ 1/2W J
	R546	NRSA63J-331X	MG R	330Ω 1/16W J
	R547	NRSA63J-104X	MG R	100kΩ 1/16W J
	R548	QRE121J-152Y	C R	1.5kΩ 1/2W J
	R553	QRL039J-180	OM R	18Ω 3W J
⚠	R554	QRK126J-150X	C R	15Ω 1/2W J
	R555	QRX029J-3R3	MF R	3.3Ω 2W J
	R601	NRSA63J-750X	MG R	75Ω 1/16W J
	R602	NRSA63J-750X	MG R	75Ω 1/16W J
	R603	NRSA63J-750X	MG R	75Ω 1/16W J
	R614	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R615	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R621	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R622	NRSA63J-681X	MG R	680Ω 1/16W J
	R623	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R624	NRSA63J-681X	MG R	680Ω 1/16W J
	R626	NRSA63J-223X	MG R	22kΩ 1/16W J
	R627	NRSA63J-223X	MG R	22kΩ 1/16W J
	R631	NRSA63J-333X	MG R	33kΩ 1/16W J
	R632	NRSA63J-223X	MG R	22kΩ 1/16W J
	R638	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R639	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R651	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R652	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R653	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R655	NRSA63J-153X	MG R	15kΩ 1/16W J
	R700	NRSA63J-102X	MG R	1kΩ 1/16W J
	R701	NRSA63J-103X	MG R	10kΩ 1/16W J
	R702	NRSA63J-102X	MG R	1kΩ 1/16W J
	R704	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R705	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R706	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R707	NRSA63J-103X	MG R	10kΩ 1/16W J
	R708	NRSA63J-101X	MG R	100Ω 1/16W J
	R709	NRSA63J-101X	MG R	100Ω 1/16W J
	R714	NRSA63J-823X	MG R	82kΩ 1/16W J
	R715	NRSA63J-103X	MG R	10kΩ 1/16W J
	R718	NRSA63J-223X	MG R	22kΩ 1/16W J
	R721	NRSA63J-102X	MG R	1kΩ 1/16W J
	R728	NRSA63J-102X	MG R	1kΩ 1/16W J
	R729	NRSA63J-223X	MG R	22kΩ 1/16W J
	R731	NRSA63J-101X	MG R	100Ω 1/16W J

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RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R732	NRSA63J-101X	MG R	100Ω 1/16W J
	R733	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R734	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R737	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R739	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R740	NRSA63J-103X	MG R	10kΩ 1/16W J
	R754	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R755	NRSA63J-153X	MG R	15kΩ 1/16W J
	R756	NRSA63J-103X	MG R	10kΩ 1/16W J
	R764	NRSA63J-221X	MG R	220Ω 1/16W J
	R765	NRSA63J-221X	MG R	220Ω 1/16W J
	R766	NRSA63J-221X	MG R	220Ω 1/16W J
	R767	NRSA63J-221X	MG R	220Ω 1/16W J
	R769	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R772	NRSA63J-103X	MG R	10kΩ 1/16W J
	R775	NRSA63J-473X	MG R	47kΩ 1/16W J
	R776	NRSA63J-103X	MG R	10kΩ 1/16W J
	R811	NRSA63J-473X	MG R	47kΩ 1/16W J
	R812	NRSA63J-102X	MG R	1kΩ 1/16W J
	R816	NRSA63J-124X	MG R	120kΩ 1/16W J
	R821	NRSA63J-184X	MG R	180kΩ 1/16W J
	R822	NRSA63J-124X	MG R	120kΩ 1/16W J
	R827	NRSA63J-102X	MG R	1kΩ 1/16W J
	R855	QRG039J-100	OM R	10Ω 3W J
⚠	R857	QRL029J-330	OM R	33Ω 2W J
⚠	R858	QRL029J-390	OM R	39Ω 2W J
⚠	R901	QRF074K-R47	UNF R	0.47Ω 7W K
⚠	R909	QRG01GJ-470	OM R	47Ω 1W J
	R911	QRE121J-223Y	C R	22kΩ 1/2W J
	R912	QRT029J-R22	MF R	0.22Ω 2W J
	R913	QRT029J-R22	MF R	0.22Ω 2W J
	R914	QRK126J-681X	C R	680Ω 1/2W J
	R915	QRK129J-6R8	C R	6.8Ω 1/2W J
	R917	QRK126J-332X	C R	3.3kΩ 1/2W J
	R918	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R919	QRE121J-684Y	C R	680kΩ 1/2W J
	R924	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R930	QRE121J-223Y	C R	22kΩ 1/2W J
	R939	QRT039J-2R2	MF R	2.2Ω 3W J
	R940	QRE121J-181Y	C R	180Ω 1/2W J
	R941	QRL029J-183	OM R	18kΩ 2W J
	R950	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R951	NRSA63J-473X	MG R	47kΩ 1/16W J
	R952	NRSA63J-102X	MG R	1kΩ 1/16W J
	R953	QRE121J-820Y	C R	82Ω 1/2W J
	R973	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R975	QRE121J-223Y	C R	22kΩ 1/2W J
	R977	QRE121J-473Y	C R	47kΩ 1/2W J
	R978	NRSA63J-333X	MG R	33kΩ 1/16W J
	R979	QRT029J-1R2	MF R	1.2Ω 2W J
	R980	QRT029J-1R2	MF R	1.2Ω 2W J
⚠	R998	QRZ9041-275	C R	2.7MΩ 1/2W K
	R999	QRE121J-121Y	C R	120Ω 1/2W J

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C001	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C003	QETN1HM-106Z	E CAP.	10μF 50V M
	C004	QETN1CM-108Z	E CAP.	1000μF 16V M
	C006	QETN1EM-476Z	E CAP.	47μF 25V M
	C101	NCB31HK-103X	C CAP.	0.01μF 50V K
	C102	NCB31HK-103X	C CAP.	0.01μF 50V K
	C104	NCB31HK-103X	C CAP.	0.01μF 50V K
	C105	NCB31HK-103X	C CAP.	0.01μF 50V K
	C106	QETN1EM-476Z	E CAP.	47μF 25V M
	C107	NCB31HK-103X	C CAP.	0.01μF 50V K
	C113	NCB31HK-103X	C CAP.	0.01μF 50V K
	C114	NCB31HK-103X	C CAP.	0.01μF 50V K
	C116	QFVF1HJ-224Z	MF CAP.	0.22μF 50V J
	C117	QETN1EM-476Z	E CAP.	47μF 25V M
	C118	NCB31HK-103X	C CAP.	0.01μF 50V K
	C119	NDC31HJ-681X	C CAP.	680pF 50V J
	C120	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C124	NCB31HK-103X	C CAP.	0.01μF 50V K
	C131	NCB31HK-103X	C CAP.	0.01μF 50V K

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C161	QETN1HM-106Z	E CAP.	10μF 50V M
	C163	NDC31HJ-470X	C CAP.	47pF 50V J
	C164	NDC31HJ-470X	C CAP.	47pF 50V J
	C165	NCB31HK-103X	C CAP.	0.01μF 50V K
	C166	NCB31HK-103X	C CAP.	0.01μF 50V K
	C202	QETN1HM-105Z	E CAP.	1μF 50V M
	C203	NCB31HK-152X	C CAP.	1500pF 50V K
	C211	QENC1CM-106Z	E CAP.	10μF 16V M
	C212	NDC31HJ-100X	C CAP.	10pF 50V J
	C221	QETN1HM-106Z	E CAP.	10μF 50V M
	C222	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C223	NCB31HK-103X	C CAP.	0.01μF 50V K
	C233	NDC31HJ-680X	C CAP.	68pF 50V J
	C237	NCB31HK-103X	C CAP.	0.01μF 50V K
	C241	NCB31HK-103X	C CAP.	0.01μF 50V K
	C242	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C243	QETN1CM-107Z	E CAP.	100μF 16V M
	C244	NCB31HK-103X	C CAP.	0.01μF 50V K
	C281	QFVF1HJ-474Z	MF CAP.	0.47μF 50V J
	C282	QETN1CM-107Z	E CAP.	100μF 16V M
	C283	NCB31HK-103X	C CAP.	0.01μF 50V K
	C284	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C285	NCB31HK-103X	C CAP.	0.01μF 50V K
	C286	QETN1HM-106Z	E CAP.	10μF 50V M
	C287	QETN1CM-107Z	E CAP.	100μF 16V M
	C288	NCB31HK-103X	C CAP.	0.01μF 50V K
	C352	QETN1CM-336Z	E CAP.	33μF 16V M
	C354	NCB31HK-103X	C CAP.	0.01μF 50V K
	C391	QETN1CM-107Z	E CAP.	100μF 16V M
	C392	NCB31HK-103X	C CAP.	0.01μF 50V K
	C422	QFLC2AJ-102Z	M CAP.	1000pF 100V J
	C424	QETN1VM-107Z	E CAP.	100μF 35V M
	C425	QETN1VM-477Z	E CAP.	470μF 35V M
	C427	QETN1HM-105Z	E CAP.	1μF 50V M
	C428	QETM1EM-228	E CAP.	2200μF 25V M
	C431	QFLC2AK-563Z	M CAP.	0.056μF 100V K
	C432	QETN1EM-476Z	E CAP.	47μF 25V M
	C433	QETN1EM-476Z	E CAP.	47μF 25V M
	C435	NCB21HK-183X	C CAP.	0.018μF 50V K
	C440	QCS32HJ-220Z	C CAP.	22pF 500V J
	C501	QCB32HK-151Z	C CAP.	150pF 500V K
	C502	QCB32HK-331Z	C CAP.	330pF 500V K
	C503	QEHR2CM-105Z	E CAP.	1μF 160V M
	C504	QEZ0203-107	E CAP.	100μF 160V M
	C507	QEM61HK-475Z	E CAP.	4.7μF 50V K
	C508	QEM61HK-475Z	E CAP.	4.7μF 50V K
⚠	C510	QFZ0200-532	MPP CAP.	5300pF1.5kVH±3%
⚠	C510	or QFZ0196-532	MPP CAP.	5300pF1.5kVH±3%
⚠	C513	QFZ0198-133	MPP CAP.	0.013μF1.5kVH±3%
⚠	C514	QFP32GJ-183	PP CAP.	0.018μF 400V J
⚠	C515	QFZ0199-564	MPP CAP.	0.56μF 250V J
⚠	C515	or QFZ0197-564	MPP CAP.	0.56μF 250V J
	C516	QCB32HK-561Z	C CAP.	560pF 500V K
	C521	QETN2EM-106Z	E CAP.	10μF 250V M
	C523	QEHR1VM-108Z	E CAP.	1000μF 35V M
	C525	QETN1VM-107Z	E CAP.	100μF 35V M
	C526	QFV21HJ-824Z	MF CAP.	0.82μF 50V J
	C527	QFLC2AJ-103Z	M CAP.	0.01μF 100V J
	C531	QCB32HK-102Z	C CAP.	1000pF 500V K
	C533	QETN1HM-106Z	E CAP.	10μF 50V M
	C601	QETN1EM-476Z	E CAP.	47μF 25V M
	C602	QETN1EM-476Z	E CAP.	47μF 25V M
	C603	QETN1EM-476Z	E CAP.	47μF 25V M
	C604	NCB31EK-104X	C CAP.	0.1μF 25V K
	C605	NCB31EK-104X	C CAP.	0.1μF 25V K
	C606	NCB31EK-104X	C CAP.	0.1μF 25V K
	C607	QETN1AM-477Z	E CAP.	470μF 10V M
	C608	NCB31HK-103X	C CAP.	0.01μF 50V K
	C609	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C610	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C611	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C621	NCB31HK-102X	C CAP.	1000pF 50V K
	C622	NCF21CZ-105X	C CAP.	1μF 16V Z
	C623	NCB31HK-102X	C CAP.	1000pF 50V K
	C624	NCF21CZ-105X	C CAP.	1μF 16V Z
	C625	QETN1CM-107Z	E CAP.	100μF 16V M

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CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C626	QETN1EM-108Z	E CAP.	1000μF 25V M
	C627	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C628	QETN1EM-108Z	E CAP.	1000μF 25V M
	C629	QETN1EM-108Z	E CAP.	1000μF 25V M
	C636	QETN1HM-105Z	E CAP.	1μF 50V M
	C637	QETN1HM-105Z	E CAP.	1μF 50V M
	C652	NCB31EK-104X	C CAP.	0.1μF 25V K
	C653	NCB31EK-104X	C CAP.	0.1μF 25V K
	C654	NCB31EK-104X	C CAP.	0.1μF 25V K
	C655	NCB31HK-103X	C CAP.	0.01μF 50V K
	C656	NDC31HJ-150X	C CAP.	15pF 50V J
	C657	NDC31HJ-150X	C CAP.	15pF 50V J
	C658	NDC31HJ-150X	C CAP.	15pF 50V J
	C700	NCB31HK-102X	C CAP.	1000pF 50V K
	C701	QETN1HM-106Z	E CAP.	10μF 50V M
	C702	QETN1HM-106Z	E CAP.	10μF 50V M
	C703	QETN1HM-106Z	E CAP.	10μF 50V M
	C704	QETN1CM-107Z	E CAP.	100μF 16V M
	C705	NCB31HK-103X	C CAP.	0.01μF 50V K
	C706	QETN1HM-105Z	E CAP.	1μF 50V M
	C708	NDC31HJ-220X	C CAP.	22pF 50V J
	C709	NDC31HJ-220X	C CAP.	22pF 50V J
	C711	QETN1CM-107Z	E CAP.	100μF 16V M
	C712	NCB31HK-103X	C CAP.	0.01μF 50V K
	C716	QETN1HM-106Z	E CAP.	10μF 50V M
	C721	NCB31HK-103X	C CAP.	0.01μF 50V K
	C726	NDC31HJ-561X	C CAP.	560pF 50V J
	C728	NCB31HK-103X	C CAP.	0.01μF 50V K
	C807	QETN1AM-477Z	E CAP.	470μF 10V M
	C813	NCB31HK-102X	C CAP.	1000pF 50V K
	C815	NCB31HK-103X	C CAP.	0.01μF 50V K
	C853	QETN1CM-227Z	E CAP.	220μF 16V M
	C854	QETN1CM-227Z	E CAP.	220μF 16V M
	C856	QETN1CM-227Z	E CAP.	220μF 16V M
	C857	QETN1CM-477Z	E CAP.	470μF 16V M
⚠	C901	QFZ9072-104	MF CAP.	0.1μFAC275V K
⚠	C901	or QFZ9075-104	MPP CAP.	0.1μFAC275V M
⚠	C902	QFZ9072-473	MF CAP.	0.047μFAC275V K
⚠	C902	or QFZ9075-473	MPP CAP.	0.047μFAC275V M
⚠	C904	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C905	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C906	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C907	QEZ0169-477	E CAP.	470μF 200V M
⚠	C908	QCZ9079-102	C CAP.	1000pFAC250V M
⚠	C908	or QCZ9054-102	C CAP.	1000p FAC250V Z
	C912	QCZ0340-222	C CAP.	2200pF 2kV K
	C913	QFLC1HJ-471Z	M CAP.	470pF 50V J
	C914	QETN1HM-107Z	E CAP.	100μF 50V M
	C916	NDC31HJ-331X	C CAP.	330pF 50V J
	C917	NCB31HK-182X	C CAP.	1800pF 50V K
	C918	NCB21HK-104X	C CAP.	0.1μF 50V K
	C919	QFP32GJ-103	PP CAP.	0.01μF 400V J
	C931	QEZ0203-107	E CAP.	100μF 160V M
	C933	QETN1CM-108Z	E CAP.	1000μF 16V M
	C934	NDC31HJ-151X	C CAP.	150pF 50V J
	C935	QETN1EM-108Z	E CAP.	1000μF 25V M
	C937	QCZ0340-102	C CAP.	1000pF 2kV K
	C938	QETN1CM-477Z	E CAP.	470μF 16V M
	C939	QCB32HK-152Z	C CAP.	1500pF 500V K
	C941	QCB32HK-102Z	C CAP.	1000pF 500V K
	C942	QEHR1HM-105Z	E CAP.	1μF 50V M
	C951	QETN1EM-477Z	E CAP.	470μF 25V M
	C952	QETN1CM-227Z	E CAP.	220μF 16V M
	C971	QETN1CM-107Z	E CAP.	100μF 16V M
	C972	QETN1EM-476Z	E CAP.	47μF 25V M
	C973	QETN1HM-106Z	E CAP.	10μF 50V M
⚠	C997	QCZ9052-102	C CAP.	1000pFAC125V M
⚠	C998	QCZ9074-103	C CAP.	0.01μFAC250V M
⚠	C999	QCZ9074-103	C CAP.	0.01μFAC250V M

TRANSF

⚠	Symbol No.	Part No.	Part Name	Description
	T111	QQR0907-001	IFT	
	T501	CE42034-002	HOR DRIVE TRANS	
⚠	T502	QQH0121-001	FB TRANSF	
⚠	T921	QQS0138-001	SW TRANSF	
⚠	T951	QQT0372-001	POWER TRANSF	or QQT0355-001

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L001	QQL244K-560Z	COIL	56μH K
	L101	QQLZ014-R22	INDUCTOR	
	L113	QQL244K-4R7Z	COIL	4.7μH K
	L131	QQL244K-150Z	COIL	15μH K
	L161	QQL244K-220Z	INDUCTOR	
	L232	QQL244K-560Z	COIL	56μH K
	L241	QQL244K-220Z	INDUCTOR	
	L391	QQL244K-220Z	INDUCTOR	
⚠	L511	QQR1027-003	LINEARITY COIL	
	L512	QQLZ036-821	INDUCTOR	or QQLZ027-821
⚠	L521	QQLZ026-560	INDUCTOR	
	L701	QQL244K-220Z	INDUCTOR	
	L702	QQL244K-220Z	INDUCTOR	
	L703	QQL244K-220Z	INDUCTOR	
	L704	QQL244K-220Z	INDUCTOR	
	L705	QQL244K-220Z	INDUCTOR	
	L931	QQL26AK-470Z	COIL	47μH K
	L933	QQL26AK-470Z	COIL	47μH K
	L940	QQR0582-001Z	FERRITE BEADS	

DIODE

⚠	Symbol No.	Part No.	Part Name	Description
	D305	1SS133-T2	SI DIODE	
	D306	1SS133-T2	SI DIODE	
	D307	1SS133-T2	SI DIODE	
	D308	1SS133-T2	SI DIODE	
	D309	1SS133-T2	SI DIODE	
	D310	1SS133-T2	SI DIODE	
	D352	MTZJ9.1C-T2	Z DIODE	
	D353	1SS133-T2	SI DIODE	
	D354	MTZJ3.3A-T2	Z DIODE	
	D421	1N4003-T2	SI DIODE	
	D422	MTZJ75-T2	Z DIODE	
	D432	1SS133-T2	SI DIODE	
	D501	RH3G-F1	SI DIODE	
⚠	D502	RU3AM-LFC4	SI DIODE	
	D521	RH1S-T3	SI DIODE	
	D523	RGP10J-5025-T3	SI DIODE	
	D525	1SS81-T5	SI DIODE	
	D526	1SS81-T5	SI DIODE	
	D527	1SR124-400A-T2	SI DIODE	
	D529	MTZJ5.1C-T2	Z DIODE	
⚠	D531	MA4068N/Z1/-T2	Z DIODE	
	D535	1SS133-T2	SI DIODE	
	D537	1SR35-400A-T2	SI DIODE	
	D601	MTZJ9.1C-T2	Z DIODE	
	D602	MTZJ9.1C-T2	Z DIODE	
	D603	MTZJ9.1C-T2	Z DIODE	
	D653	1SS133-T2	SI DIODE	
	D654	1SS133-T2	SI DIODE	
	D700	MTZJ5.6B-T2	Z DIODE	
	D701	1SS133-T2	SI DIODE	
	D703	MTZJ5.6B-T2	Z DIODE	
	D704	MTZJ5.6B-T2	Z DIODE	
	D705	1SS133-T2	SI DIODE	
	D706	MTZJ5.6B-T2	Z DIODE	
	D707	MTZJ5.6B-T2	Z DIODE	
	D708	MTZJ5.6B-T2	Z DIODE	
	D709	MTZJ5.6B-T2	Z DIODE	
	D721	1SS133-T2	SI DIODE	
	D722	1SS133-T2	SI DIODE	
	D723	MTZJ5.6B-T2	Z DIODE	
	D810	MTZJ5.6B-T2	Z DIODE	
⚠	D901	GSIB460-S1	BRIDGE DIODE	
	D910	MA700A-T2	SB DIODE	
⚠	D911	RGP10J-5025-T3	SI DIODE	
⚠	D912	RGP10J-5025-T3	SI DIODE	
⚠	D913	RGP10J-5025-T3	SI DIODE	
	D914	1SS133-T2	SI DIODE	
	D915	SARS01-T2	SI DIODE	
	D917	MTZJ30A-T2	Z DIODE	
	D918	MTZJ5.1C-T2	Z DIODE	
	D920	1SS133-T2	SI DIODE	
	D931	RU30A-F1	SI DIODE	
	D933	RU3YX-LFC4	SI DIODE	
	D935	RU3YX-LFC4	SI DIODE	
	D941	MTZJ33A-T2	Z DIODE	
	D945	MTZJ9.1B-T2	Z DIODE	
	D952	1SS133-T2	SI DIODE	
	D953	1SS133-T2	SI DIODE	
	D954	1N4002G-T2	SI DIODE	

[AV-32D503/Y]

DIODE

⚠	Symbol No.	Part No.	Part Name	Description
	D955	1N4002G-T2	SI DIODE	
	D956	1N4002G-T2	SI DIODE	
	D957	1N4002G-T2	SI DIODE	
	D972	MTZJ15C-T2	Z DIODE	
	D973	1SS133-T2	SI DIODE	

TRANSISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	Q001	UN2212-X	DIGI TRANSISTOR	
	Q101	2SC5083/L-P/-T	TRANSISTOR	
	Q131	2SB709A/QR/-X	TRANSISTOR	
	Q161	2SD601A/QR/-X	TRANSISTOR	
	Q211	2SD601A/QR/-X	TRANSISTOR	
	Q232	2SD601A/QR/-X	TRANSISTOR	
	Q233	2SD601A/QR/-X	TRANSISTOR	
	Q352	2SD601A/QR/-X	TRANSISTOR	
	Q431	UN2212-X	DIGI TRANSISTOR	
	Q501	2SC4212/Z1/	TRANSISTOR	
⚠	Q511	2SD2645-YD	POWER TRANSISTO	H.OUT
	Q531	2SC2785/JH/-T	SI TRANSISTOR	
	Q532	2SB709A/QR/-X	TRANSISTOR	
	Q541	2SB709A/QR/-X	TRANSISTOR	
	Q542	2SB709A/QR/-X	TRANSISTOR	
	Q543	2SD1408/OY/-LB	POW TRANSISTOR	
	Q622	2SD601A/QR/-X	TRANSISTOR	
	Q623	UN2212-X	DIGI TRANSISTOR	
	Q700	2SD601A/QR/-X	TRANSISTOR	
	Q701	2SB709A/QR/-X	TRANSISTOR	
	Q705	2SD601A/QR/-X	TRANSISTOR	
	Q951	2SD1383K/AB/-X	TRANSISTOR	
	Q971	2SA1208/ST/Z1-T	TRANSISTOR	

IC

⚠	Symbol No.	Part No.	Part Name	Description
	IC101	M52342SP	IC	
	IC201	TM8812CSBNG3U68	IC	
⚠	IC421	LA7841	IC	
	IC601	TA1287F-X	IC	
	IC621	LA4485	IC	
	IC702	AT24C08-32D503	IC	(SERVICE)
	IC703	S-80840ANY-T	IC	
	IC704	AN78L05-T	IC	
	IC852	AN7809F	IC	or BA17809T
	IC853	AN7805F	IC	or BA17805T
⚠	IC911	STR-G6624/F8	IC	
⚠	IC921	SE135N	IC	

OTHERS

⚠	Symbol No.	Part No.	Part Name	Description
	CF001	QAX0349-001	C TRAP	
	CF131	QAX0639-001Z	C TRAP	
	CF161	QAX0642-001Z	C FILTER	
	CN001	QGB1505J1-35	B TO B CONNE	
	CN002	QGB1505J1-25	B TO B CONNE	
	CN004	QGA2501C5-05Z	W TO B CONNE	
	CN005	QGA2501C5-04Z	W TO B CONNE	
	CN007	QGA2501C5-07Z	W TO B CONNE	
⚠	CNOPW	QMPD390-200-JS	POWER CORD	or QMPD200-200-JC
⚠	CP932	ICP-N70-T	C PROTECTOR	
⚠	CP936	ICP-N70-T	C PROTECTOR	
⚠	F901	QMF0007-5R0J1	FUSE	5.0A or QMF51U1-5R0-J8
⚠	F905	QMFZ049-5R0Z-E	FUSE	5.0A
	FC901	CEMG002-001Z	FUSE CLIP	
	FC902	CEMG002-001Z	FUSE CLIP	
⚠	FR525	QRZ9017-4R7	F R	4.7Ω 1/4W J
⚠	FR527	QRZ9011-470	F R	47Ω 1/2W J
	J601	QNN0349-002	PIN JACK	
	J810	QNS0001-001	JACK	
	K401	QQR0621-002Z	FERRITE BEADS	
	K912	QQR0582-001Z	FERRITE BEADS	
	K916	QQR0582-001Z	FERRITE BEADS	
	K917	QQR0582-001Z	FERRITE BEADS	
	K918	QQR0582-001Z	FERRITE BEADS	
	K931	QQR0582-001Z	FERRITE BEADS	
	K932	QQR0582-001Z	FERRITE BEADS	
	K933	QQR0621-002Z	FERRITE BEADS	
	K935	QQR0582-001Z	FERRITE BEADS	
	LC601	QQR1199-001	EMI FILTER	
	LC602	QQR1199-001	EMI FILTER	
	LC603	QQR1199-001	EMI FILTER	

OTHERS

⚠	Symbol No.	Part No.	Part Name	Description
⚠	LF901	QQR1085-003	LINE FILTER	or QQR0527-003
⚠	PC921	TLP421F/D4-GR/	IC(PHOTO COUPLE	
⚠	RY951	QSK0086-001	RELAY	or QSK0130-001,QSK0085-001
	S421	QSL4A13-C02	LEVER SWITCH	
	SF101	QAX0723-001	SAW FILTER	
⚠	TH901	QAD0132-3R0	P THERMISTOR	
⚠	TU001	QAU0272-001	TUNER	
⚠	VA901	ERZV10V621CS	ZNR	
	X701	QAX0717-001Z	CRYSTAL	

CRT SOCKET P.W. BOARD ASS'Y (SGE-3004A-M2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R3354	NRSA63J-221X	MG R	220Ω 1/16W J
	R3355	NRSA63J-221X	MG R	220Ω 1/16W J
	R3356	NRSA63J-221X	MG R	220Ω 1/16W J
	R3357	NRSA63J-101X	MG R	100Ω 1/16W J
	R3358	NRSA63J-101X	MG R	100Ω 1/16W J
	R3359	NRSA63J-101X	MG R	100Ω 1/16W J
	R3360	QRZ0111-152	C R	1.5kΩ 1/2W K
	R3361	QRZ0111-152	C R	1.5kΩ 1/2W K
	R3362	QRZ0111-152	C R	1.5kΩ 1/2W K
	R3363	QRG029J-103	OM R	10kΩ 2W J
	R3364	QRG029J-103	OM R	10kΩ 2W J
	R3365	QRG029J-103	OM R	10kΩ 2W J
	R3366	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R3367	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R3368	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R3372	NRSA63J-221X	MG R	220Ω 1/16W J
	R3373	NRSA63J-221X	MG R	220Ω 1/16W J
	R3374	NRSA63J-221X	MG R	220Ω 1/16W J
	R3375	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R3376	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R3377	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R3381	QRE121J-394Y	C R	390kΩ 1/2W J
	R3391	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R3392	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R3393	NRSA63J-102X	MG R	1kΩ 1/16W J
	R3394	NRSA63J-102X	MG R	1kΩ 1/16W J
	R3395	NRSA63J-102X	MG R	1kΩ 1/16W J

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C3354	NDC31HJ-331X	C CAP.	330pF 50V J
	C3355	NDC31HJ-331X	C CAP.	330pF 50V J
	C3356	NDC31HJ-391X	C CAP.	390pF 50V J
	C3357	QETN1CM-107Z	E CAP.	100μF 16V M
⚠	C3382	QCZ0121-102	C CAP.	1000pF 3kV Z
	C3391	QETN1AM-227Z	E CAP.	220μF 10V M
	C3392	NDC31HJ-101X	C CAP.	100pF 50V J

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L3381	QQL244K-101Z	PEAKING COIL	

DIODE

⚠	Symbol No.	Part No.	Part Name	Description
	D3391	1SS133-T2	SI DIODE	

TRANSISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	Q3351	2SC4544-LB	POW TRANSISTOR	
	Q3352	2SC4544-LB	POW TRANSISTOR	
	Q3353	2SC4544-LB	POW TRANSISTOR	
	Q3391	2SA933AS/QR/-T	TRANSISTOR	

OTHERS

⚠	Symbol No.	Part No.	Part Name	Description
	CN3004	QJB003-054010	SIN ID C-B WIRE	
	CN3005	WJA0027-002A	E-S ID WIRE	
⚠	SK3351	QNZ0537-001	CRT SOCKET	or QNZ0536-001

[AV-32D503/Y]

PIP P.W. BOARD ASS'Y (SGE-4001A-M2)

Refer to PARTS LIST in page 44 for this P.W. board

AV SELECTOR P.W. BOARD ASS'Y (SGE-5001A-M2)

Refer to PARTS LIST in page 45 for this P.W. board

FRONT AV IN P.W. BOARD ASS'Y (SGE-6001A-M2)

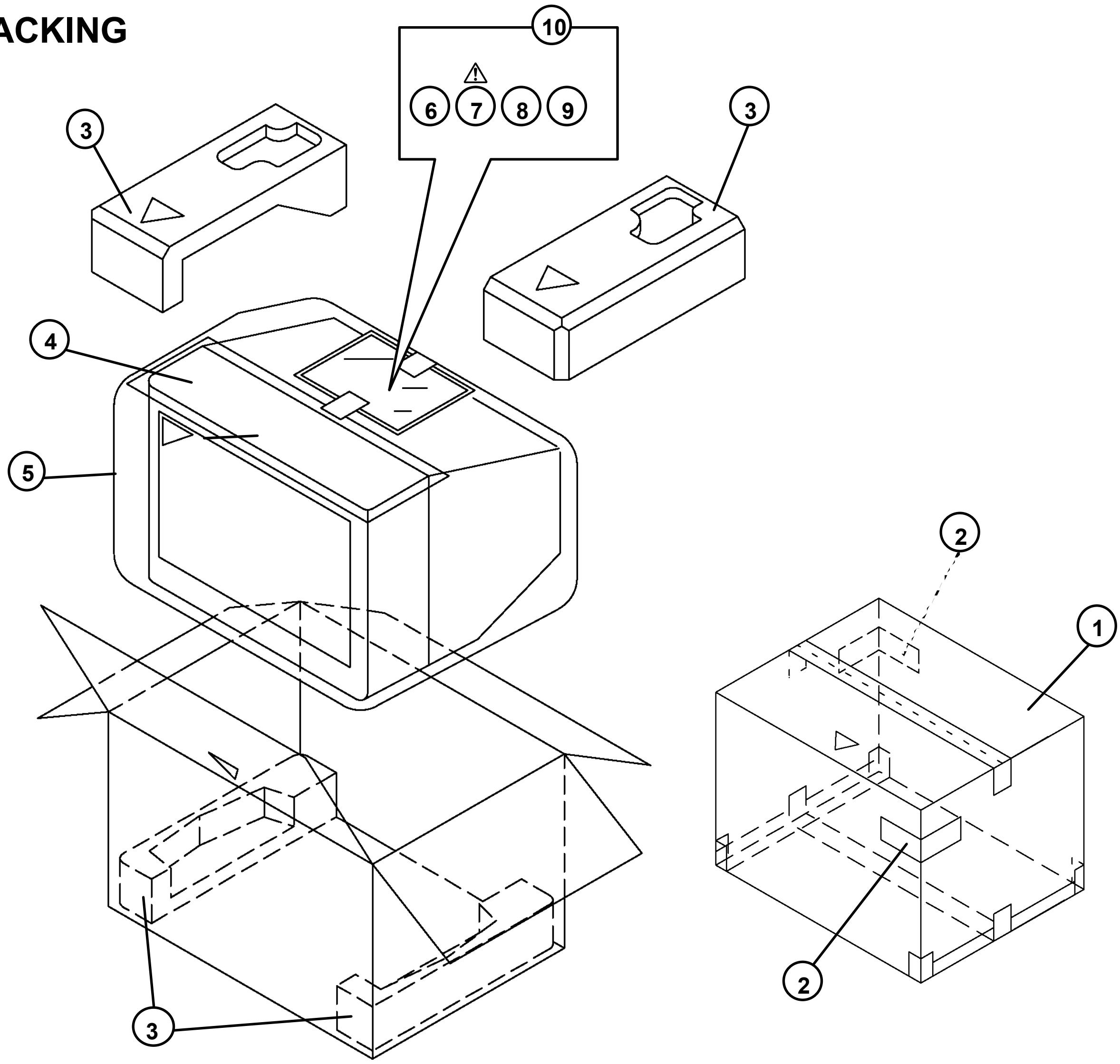
Refer to PARTS LIST in page 46 for this P.W. board

FRONT CONTROL P.W. BOARD ASS'Y (SGE-7001A-M2)

Refer to PARTS LIST in page 46 for this P.W. board

[AV-32D503]

PACKING



PACKING PARTS LIST

⚠ Ref.No.	Part No.	Part Name	Description
1	LC10058-009A	PACKING CASE	
2	CM36616-001-A	CORNER LABEL	2pcs in 1set
3	LC10365-001D	CUSHION ASSY	4pcs in 1set
4	CP30611-A02	TOP COVER	
5	AP3756-11	POLY COVER	
6	RM-C251-1H	REMOCON UNIT	
⚠ 7	LCT1128-001A-A	INST BOOK	
8	BT-51028-2Q	REGISTRATION CARD	
9	BT-52006-1	WARRANTY CARD	
10	QPA02503505	POLY BAG	

REMOTE CONTROL UNIT PARTS LIST (RM-C251-1H)

⚠ Ref.No.	Part No.	Part Name	Description
	UR77EC0603	BATTERY COVER	

[AV-32D303 / AV-32D203]

EXPLODED VIEW PARTS LIST

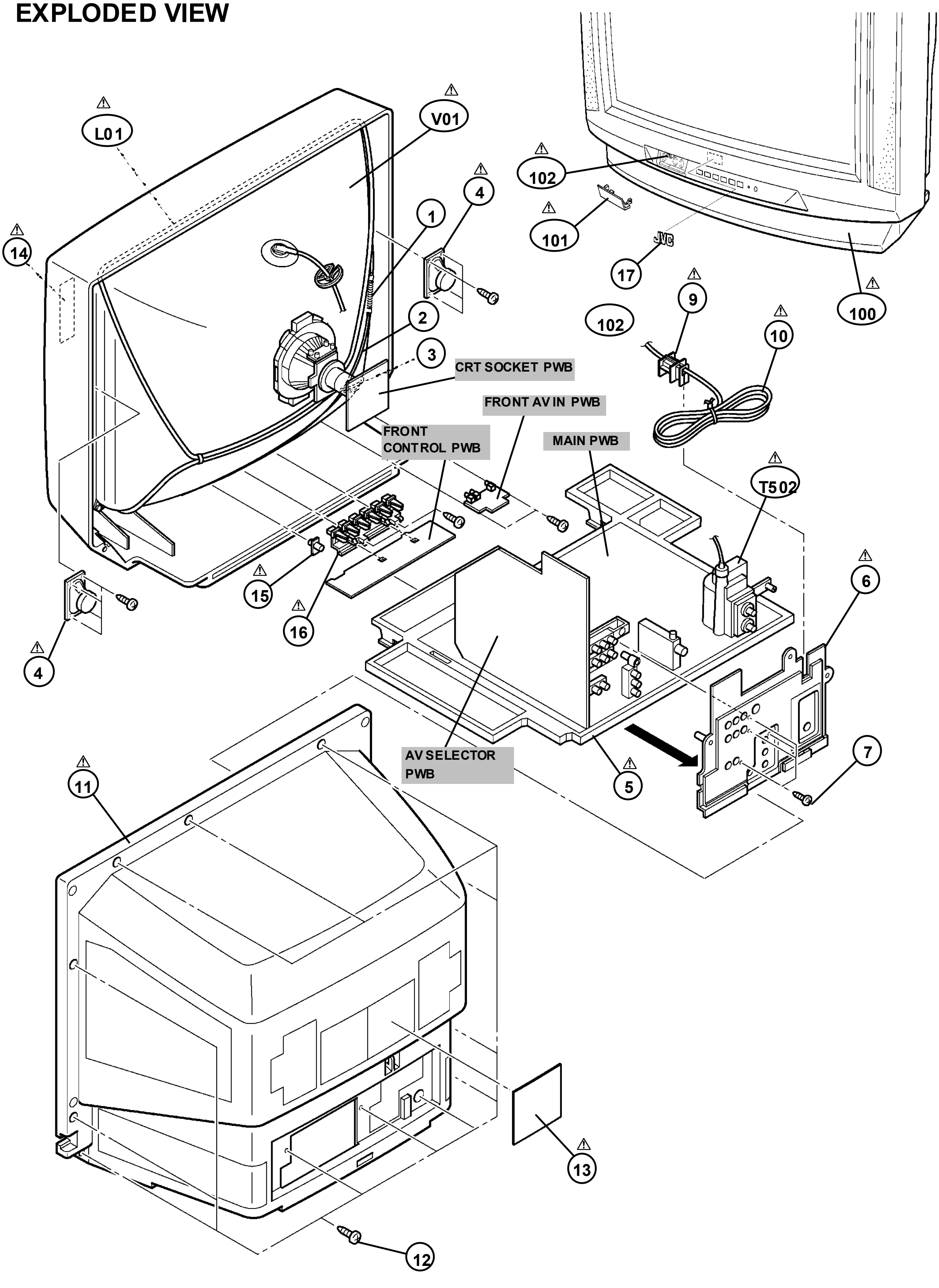
[AV-32D303/M, AV-32D303/R, AV-32D303/Y] : SILVER

⚠ Ref.No.	Part No.	Part Name	Description
⚠ V01	A80JUA061X06	ITC	[AV-32D303/M] Inc.DY.PC MAGNET,WEDGE
⚠ V01	A80AEJ15X01	ITC	[AV-32D303/R] Inc.DY.PC MAGNET,WEDGE
⚠ V01	A80AKB50X04	ITC	[AV-32D303/Y] Inc.DY.PC MAGNET,WEDGE
⚠ L01	CELD066-002JA	DEG COIL	
⚠ T502	QQH0121-001	FB TRANSF	
1	A48457-1	SPRING	
2	WJY0016-002A	E-BRAIDED ASSY	
3	WJY0013-004A	E-BRAIDED ASSY(SUB)	
⚠ 4	CEBSS12D-04KJ2	SPEAKER	or QAS0101-001(×2)SP01,SP02
⚠ 5	LC10883-001C-A	CHASSIS BASE	
⚠ 6	LC20899-004A-A	TERMINAL BOARD	
7	QYSBSB3010Z	TAP SCREW	(×4)
⚠ 9	LC20106-001D-A	POWER CORD CLAMP	
⚠ 10	QMPD390-200-JS	POWER CORD	or QMPD200-200-JC Within MAIN PWB(CN0PW)
⚠ 11	LC10308-003C-A	REAR COVER	
12	QYSBSFG4016Z	TAP SCREW	(×12)
⚠ 13	GQ30032-001A-A	RATING LABEL	
⚠ 14	GQ30034-001B-A	WARNING LABEL	
⚠ 15	LC30191-002A-A	REMOCON LENS	
⚠ 16	LC20217-005B-A	CONTROL KNOB	(SILVER)
17	CM48006-007-C	JVC MARK	(SILVER)
⚠ 100	LC10641-005B-A	FRONT CABI. ASSY	(SILVER) Inc.No.101～102
⚠ 101	LC20409-005B-A	DOOR	(SILVER)
⚠ 102	PU60109	CATCHER	

[AV-32D203/M, AV-32D203/R, AV-32D203/Y] : BLACK

⚠ Ref.No.	Part No.	Part Name	Description
⚠ V01	A80JUA061X06	ITC	[AV-32D203/M] Inc.DY.PC MAGNET,WEDGE
⚠ V01	A80AEJ15X01	ITC	[AV-32D203/R] Inc.DY.PC MAGNET,WEDGE
⚠ V01	A80AKB50X04	ITC	[AV-32D203/Y] Inc.DY.PC MAGNET,WEDGE
⚠ L01	CELD066-002JA	DEG COIL	
⚠ T502	QQH0121-001	FB TRANSF	
1	A48457-1	SPRING	
2	WJY0016-002A	E-BRAIDED ASSY	
3	WJY0013-004A	E-BRAIDED ASSY(SUB)	
⚠ 4	CEBSS12D-04KJ2	SPEAKER	or QAS0101-001(×2)SP01,SP02
⚠ 5	LC10883-001C-A	CHASSIS BASE	
⚠ 6	LC20899-004A-A	TERMINAL BOARD	
7	QYSBSB3010Z	TAP SCREW	(×4)
⚠ 9	LC20106-001D-A	POWER CORD CLAMP	
⚠ 10	QMPD390-200-JS	POWER CORD	or QMPD200-200-JC Within MAIN PWB(CN0PW)
⚠ 11	LC10308-003C-A	REAR COVER	
12	QYSBSFG4016Z	TAP SCREW	(×12)
⚠ 13	GQ30032-001A-A	RATING LABEL	
⚠ 14	GQ30034-001B-A	WARNING LABEL	
⚠ 15	LC30191-002A-A	REMOCON LENS	
⚠ 16	LC20217-001C-A	CONTROL KNOB	(BLACK)
17	CM48006-006-C	JVC MARK	(BLACK)
⚠ 100	LC10641-001G-A	FRONT CABI. ASSY	(BLACK) Inc.No.101～102
⚠ 101	LC20409-001D-A	DOOR	(BLACK)
⚠ 102	PU60109	CATCHER	

EXPLODED VIEW



[AV-32D303/M, AV-32D203/M]

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SGE-1027A-M2)

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R002	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R003	NRSA63J-101X	MG R	100Ω 1/16W J
	R004	NRSA63J-101X	MG R	100Ω 1/16W J
	R005	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R008	NRSA63J-820X	MG R	82Ω 1/16W J
	R009	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R101	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R102	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R103	QRE121J-101Y	C R	100Ω 1/2W J
	R104	NRSA63J-180X	MG R	18Ω 1/16W J
	R105	NRSA63J-270X	MG R	27Ω 1/16W J
	R111	NRSA63J-394X	MG R	390kΩ 1/16W J
	R112	NRSA63J-334X	MG R	330kΩ 1/16W J
	R113	NRSA63J-101X	MG R	100Ω 1/16W J
	R115	NRSA63J-101X	MG R	100Ω 1/16W J
	R116	NRSA63J-680X	MG R	68Ω 1/16W J
	R117	NRSA63J-273X	MG R	27kΩ 1/16W J
	R118	NRSA63J-223X	MG R	22kΩ 1/16W J
	R131	NRSA63J-102X	MG R	1kΩ 1/16W J
	R132	NRSA63J-331X	MG R	330Ω 1/16W J
	R133	NRSA63J-821X	MG R	820Ω 1/16W J
	R134	NRSA63J-561X	MG R	560Ω 1/16W J
	R135	NRSA63J-102X	MG R	1kΩ 1/16W J
	R161	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R162	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R163	NRSA63J-223X	MG R	22kΩ 1/16W J
	R164	NRSA63J-102X	MG R	1kΩ 1/16W J
	R165	NRSA63J-223X	MG R	22kΩ 1/16W J
	R166	NRSA63J-103X	MG R	10kΩ 1/16W J
	R167	NRSA63J-102X	MG R	1kΩ 1/16W J
	R168	NRSA63J-101X	MG R	100Ω 1/16W J
	R169	NRSA63J-561X	MG R	560Ω 1/16W J
	R171	NRSA63J-103X	MG R	10kΩ 1/16W J
	R201	NRSA63J-223X	MG R	22kΩ 1/16W J
	R212	NRSA63J-272X	MG R	2.7kΩ 1/16W J
	R215	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R216	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R217	NRSA63J-102X	MG R	1kΩ 1/16W J
	R222	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R227	NRSA63J-104X	MG R	100kΩ 1/16W J
	R231	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R237	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R238	NRSA63J-473X	MG R	47kΩ 1/16W J
	R241	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R243	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R281	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R282	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R283	NRSA63J-681X	MG R	680Ω 1/16W J
	R286	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R287	NRSA63J-101X	MG R	100Ω 1/16W J
	R288	NRSA63J-471X	MG R	470Ω 1/16W J
	R289	NRSA63J-154X	MG R	150kΩ 1/16W J
	R290	NRSA63J-561X	MG R	560Ω 1/16W J
	R292	NRSA63J-124X	MG R	120kΩ 1/16W J
	R293	NRSA63J-224X	MG R	220kΩ 1/16W J
	R301	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R302	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R303	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R304	NRSA63J-101X	MG R	100Ω 1/16W J
	R305	NRSA63J-101X	MG R	100Ω 1/16W J
	R306	NRSA63J-101X	MG R	100Ω 1/16W J
	R354	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R355	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R356	NRSA63J-123X	MG R	12kΩ 1/16W J
	R359	NRSA63J-103X	MG R	10kΩ 1/16W J
	R360	NCB31HK-103X	C CAP.	0.01μF 50V K
	R421	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R423	NRSA63J-393X	MG R	39kΩ 1/16W J
	R424	NRSA63J-393X	MG R	39kΩ 1/16W J
	R426	NRSA63J-183X	MG R	18kΩ 1/16W J
	R427	QRT029J-1R5	MF R	1.5Ω 2W J
	R429	NRSA63J-272X	MG R	2.7kΩ 1/16W J
	R430	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R431	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R432	NRSA63J-101X	MG R	100Ω 1/16W J
	R433	NRSA63J-681X	MG R	680Ω 1/16W J
	R434	QRL029J-181	OM R	180Ω 2W J
	R435	QRE121J-102Y	C R	1kΩ 1/2W J
	R441	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R447	NRSA63J-104X	MG R	100kΩ 1/16W J
	R448	NRSA63J-473X	MG R	47kΩ 1/16W J
	R449	NRSA63J-103X	MG R	10kΩ 1/16W J
	R501	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R502	NRSA63J-271X	MG R	270Ω 1/16W J
	R503	QRE121J-103Y	C R	10kΩ 1/2W J
	R504	QRL039J-102	OM R	1kΩ 3W J
	R505	QRL039J-102	OM R	1kΩ 3W J
	R511	QRE121J-220Y	C R	22Ω 1/2W J
	R512	QRE121J-681Y	C R	680Ω 1/2W J
	R523	QRJ146J-333X	C R	33kΩ 1/4W J
	R526	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R527	QRE121J-154Y	C R	150kΩ 1/2W J
	R528	QRE121J-154Y	C R	150kΩ 1/2W J
	R529	NRSA63J-331X	MG R	330Ω 1/16W J
	R531	QRJ146J-391X	C R	390Ω 1/4W J
	R532	NRSA63J-273X	MG R	27kΩ 1/16W J
	R533	NRSA63J-123X	MG R	12kΩ 1/16W J
	R534	NRSA63J-123X	MG R	12kΩ 1/16W J
⚠	R535	NRVA02D-222X	MF R	2.2kΩ 1/10W D
⚠	R537	NRVA02D-752X	MF R	7.5kΩ 1/10W D
	R538	NRSA63J-333X	MG R	33kΩ 1/16W J
	R543	QRE121J-122Y	C R	1.2kΩ 1/2W J
	R544	QRE121J-392Y	C R	3.9kΩ 1/2W J
	R545	QRE121J-822Y	C R	8.2kΩ 1/2W J
	R546	NRSA63J-331X	MG R	330Ω 1/16W J
	R547	NRSA63J-104X	MG R	100kΩ 1/16W J
	R548	QRE121J-152Y	C R	1.5kΩ 1/2W J
	R553	QRL039J-180	OM R	18Ω 3W J
⚠	R554	QRK126J-150X	C R	15Ω 1/2W J
	R555	QRX029J-3R3	MF R	3.3Ω 2W J
	R601	NRSA63J-750X	MG R	75Ω 1/16W J
	R602	NRSA63J-750X	MG R	75Ω 1/16W J
	R603	NRSA63J-750X	MG R	75Ω 1/16W J
	R610	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R611	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R612	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R621	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R622	NRSA63J-681X	MG R	680Ω 1/16W J
	R623	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R624	NRSA63J-681X	MG R	680Ω 1/16W J
	R626	NRSA63J-223X	MG R	22kΩ 1/16W J
	R627	NRSA63J-223X	MG R	22kΩ 1/16W J
	R631	NRSA63J-333X	MG R	33kΩ 1/16W J
	R632	NRSA63J-223X	MG R	22kΩ 1/16W J
	R638	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R639	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R651	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R652	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R653	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R700	NRSA63J-102X	MG R	1kΩ 1/16W J
	R701	NRSA63J-103X	MG R	10kΩ 1/16W J
	R702	NRSA63J-102X	MG R	1kΩ 1/16W J
	R704	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R705	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R706	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R707	NRSA63J-103X	MG R	10kΩ 1/16W J
	R708	NRSA63J-101X	MG R	100Ω 1/16W J
	R709	NRSA63J-101X	MG R	100Ω 1/16W J
	R715	NRSA63J-103X	MG R	10kΩ 1/16W J
	R718	NRSA63J-223X	MG R	22kΩ 1/16W J

[AV-32D303/M, AV-32D203/M]

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R721	NRSA63J-102X	MG R	1kΩ 1/16W J
	R728	NRSA63J-102X	MG R	1kΩ 1/16W J
	R729	NRSA63J-223X	MG R	22kΩ 1/16W J
	R731	NRSA63J-101X	MG R	100Ω 1/16W J
	R732	NRSA63J-101X	MG R	100Ω 1/16W J
	R733	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R734	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R739	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R740	NRSA63J-103X	MG R	10kΩ 1/16W J
	R764	NRSA63J-221X	MG R	220Ω 1/16W J
	R765	NRSA63J-221X	MG R	220Ω 1/16W J
	R766	NRSA63J-221X	MG R	220Ω 1/16W J
	R767	NRSA63J-221X	MG R	220Ω 1/16W J
	R769	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R772	NRSA63J-103X	MG R	10kΩ 1/16W J
	R811	NRSA63J-473X	MG R	47kΩ 1/16W J
	R812	NRSA63J-102X	MG R	1kΩ 1/16W J
	R816	NRSA63J-124X	MG R	120kΩ 1/16W J
	R821	NRSA63J-184X	MG R	180kΩ 1/16W J
	R822	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R827	NRSA63J-102X	MG R	1kΩ 1/16W J
	R855	QRG039J-100	OM R	10Ω 3W J
⚠	R857	QRL029J-470	OM R	47Ω 2W J
⚠	R858	QRL029J-820	OM R	82Ω 2W J
⚠	R901	QRF074K-R47	UNF R	0.47Ω 7W K
⚠	R909	QRG01GJ-470	OM R	47Ω 1W J
	R911	QRE121J-223Y	C R	22kΩ 1/2W J
	R912	QRT029J-R22	MF R	0.22Ω 2W J
	R913	QRT029J-R22	MF R	0.22Ω 2W J
	R914	QRK126J-681X	C R	680Ω 1/2W J
	R915	QRK129J-6R8	C R	6.8Ω 1/2W J
	R917	QRK126J-332X	C R	3.3kΩ 1/2W J
	R918	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R919	QRE121J-684Y	C R	680kΩ 1/2W J
	R924	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R930	QRE121J-223Y	C R	22kΩ 1/2W J
	R939	QRT039J-2R2	MF R	2.2Ω 3W J
	R940	QRE121J-181Y	C R	180Ω 1/2W J
	R941	QRL029J-183	OM R	18kΩ 2W J
	R950	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R951	NRSA63J-473X	MG R	47kΩ 1/16W J
	R952	NRSA63J-102X	MG R	1kΩ 1/16W J
	R953	QRE121J-820Y	C R	82Ω 1/2W J
	R973	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R975	QRE121J-223Y	C R	22kΩ 1/2W J
	R977	QRE121J-473Y	C R	47kΩ 1/2W J
	R978	NRSA63J-333X	MG R	33kΩ 1/16W J
	R979	QRT029J-1R2	MF R	1.2Ω 2W J
	R980	QRT029J-1R2	MF R	1.2Ω 2W J
⚠	R998	QRZ9041-275	C R	2.7MΩ 1/2W K
	R999	QRE121J-121Y	C R	120Ω 1/2W J
	CAPACITOR			
	C001	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C003	QETN1HM-106Z	E CAP.	10μF 50V M
	C004	QETN1CM-108Z	E CAP.	1000μF 16V M
	C006	QETN1EM-476Z	E CAP.	47μF 25V M
	C101	NCB31HK-103X	C CAP.	0.01μF 50V K
	C102	NCB31HK-103X	C CAP.	0.01μF 50V K
	C104	NCB31HK-103X	C CAP.	0.01μF 50V K
	C105	NCB31HK-103X	C CAP.	0.01μF 50V K
	C106	QETN1EM-476Z	E CAP.	47μF 25V M
	C107	NCB31HK-103X	C CAP.	0.01μF 50V K
	C113	NCB31HK-103X	C CAP.	0.01μF 50V K
	C114	NCB31HK-103X	C CAP.	0.01μF 50V K
	C116	QFVF1HJ-224Z	MF CAP.	0.22μF 50V J
	C117	QETN1EM-476Z	E CAP.	47μF 25V M
	C118	NCB31HK-103X	C CAP.	0.01μF 50V K
	C119	NDC31HJ-681X	C CAP.	680pF 50V J
	C120	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C124	NCB31HK-103X	C CAP.	0.01μF 50V K
	C131	NCB31HK-103X	C CAP.	0.01μF 50V K
	C161	QETN1HM-106Z	E CAP.	10μF 50V M
	C163	NDC31HJ-470X	C CAP.	47pF 50V J

⚠	Symbol No.	Part No.	Part Name	Description
	CAPACITOR			
	C164	NDC31HJ-470X	C CAP.	47pF 50V J
	C165	NCB31HK-103X	C CAP.	0.01μF 50V K
	C166	NCB31HK-103X	C CAP.	0.01μF 50V K
	C202	QETN1HM-105Z	E CAP.	1μF 50V M
	C203	NCB31HK-152X	C CAP.	1500pF 50V K
	C211	QENC1CM-106Z	E CAP.	10μF 16V M
	C212	NDC31HJ-100X	C CAP.	10pF 50V J
	C221	QETN1HM-106Z	E CAP.	10μF 50V M
	C222	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C223	NCB31HK-103X	C CAP.	0.01μF 50V K
	C233	NDC31HJ-680X	C CAP.	68pF 50V J
	C237	NCB31HK-103X	C CAP.	0.01μF 50V K
	C241	NCB31HK-103X	C CAP.	0.01μF 50V K
	C242	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C243	QETN1CM-107Z	E CAP.	100μF 16V M
	C244	NCB31HK-103X	C CAP.	0.01μF 50V K
	C281	QFVF1HJ-474Z	MF CAP.	0.47μF 50V J
	C282	QETN1CM-107Z	E CAP.	100μF 16V M
	C283	NCB31HK-103X	C CAP.	0.01μF 50V K
	C284	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C285	NCB31HK-103X	C CAP.	0.01μF 50V K
	C286	QETN1HM-106Z	E CAP.	10μF 50V M
	C287	QETN1CM-107Z	E CAP.	100μF 16V M
	C288	NCB31HK-103X	C CAP.	0.01μF 50V K
	C352	QETN1CM-336Z	E CAP.	33μF 16V M
	C354	NCB31HK-103X	C CAP.	0.01μF 50V K
	C391	QETN1CM-107Z	E CAP.	100μF 16V M
	C392	NCB31HK-103X	C CAP.	0.01μF 50V K
	C422	QFLC2AJ-102Z	M CAP.	1000pF 100V J
	C424	QETN1VM-107Z	E CAP.	100μF 35V M
	C425	QETN1VM-477Z	E CAP.	470μF 35V M
	C427	QETN1HM-105Z	E CAP.	1μF 50V M
	C428	QETM1EM-228	E CAP.	2200μF 25V M
	C431	QFLC2AK-563Z	M CAP.	0.056μF 100V K
	C432	QETN1EM-476Z	E CAP.	47μF 25V M
	C433	QETN1EM-476Z	E CAP.	47μF 25V M
	C435	NCB21HK-183X	C CAP.	0.018μF 50V K
	C440	QCS32HJ-220Z	C CAP.	22pF 500V J
	C501	QCB32HK-151Z	C CAP.	150pF 500V K
	C502	QCB32HK-331Z	C CAP.	330pF 500V K
	C503	QEHR2CM-105Z	E CAP.	1μF 160V M
	C504	QEZ0203-107	E CAP.	100μF 160V M
	C507	QEM61HK-475Z	E CAP.	4.7μF 50V K
	C508	QEM61HK-475Z	E CAP.	4.7μF 50V K
⚠	C510	QFZ0200-532	MPP CAP.	5300pF 1.5kV H±3%
⚠	C510	or QFZ0196-532	MPP CAP.	5300pF 1.5kV H±3%
⚠	C513	QFZ0198-133	MPP CAP.	0.013μF 1.5kV H±3%
⚠	C514	QFP32GJ-183	PP CAP.	0.018μF 400V J
⚠	C515	QFZ0199-564	MPP CAP.	0.56μF 250V J
⚠	C515	or QFZ0197-564	MPP CAP.	0.56μF 250V J
	C516	QCB32HK-561Z	C CAP.	560pF 500V K
	C521	QETN2EM-106Z	E CAP.	10μF 250V M
	C523	QEHR1VM-108Z	E CAP.	1000μF 35V M
	C525	QETN1VM-107Z	E CAP.	100μF 35V M
	C526	QFV21HJ-824Z	MF CAP.	0.82μF 50V J
	C527	QFLC2AJ-103Z	M CAP.	0.01μF 100V J
	C531	QCB32HK-102Z	C CAP.	1000pF 500V K
	C533	QETN1HM-106Z	E CAP.	10μF 50V M
	C601	QETN1EM-476Z	E CAP.	47μF 25V M
	C602	QETN1EM-476Z	E CAP.	47μF 25V M
	C603	QETN1EM-476Z	E CAP.	47μF 25V M
	C609	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C610	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C611	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C621	NCB31HK-102X	C CAP.	1000pF 50V K
	C622	NCF21CZ-105X	C CAP.	1μF 16V Z
	C623	NCB31HK-102X	C CAP.	1000pF 50V K
	C624	NCF21CZ-105X	C CAP.	1μF 16V Z
	C625	QETN1CM-107Z	E CAP.	100μF 16V M
	C626	QETN1EM-108Z	E CAP.	1000μF 25V M
	C627	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C628	QETN1EM-108Z	E CAP.	1000μF 25V M
	C629	QETN1EM-108Z	E CAP.	1000μF 25V M
	C636	QETN1HM-105Z	E CAP.	1μF 50V M
	C637	QETN1HM-105Z	E CAP.	1μF 50V M
	C700	NCB31HK-102X	C CAP.	1000pF 50V K

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CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C701	QETN1HM-106Z	E CAP.	10μF 50V M
	C702	QETN1HM-106Z	E CAP.	10μF 50V M
	C703	QETN1HM-106Z	E CAP.	10μF 50V M
	C704	QETN1CM-107Z	E CAP.	100μF 16V M
	C705	NCB31HK-103X	C CAP.	0.01μF 50V K
	C706	QETN1HM-105Z	E CAP.	1μF 50V M
	C708	NDC31HJ-220X	C CAP.	22pF 50V J
	C709	NDC31HJ-220X	C CAP.	22pF 50V J
	C711	QETN1CM-107Z	E CAP.	100μF 16V M
	C712	NCB31HK-103X	C CAP.	0.01μF 50V K
	C716	QETN1HM-106Z	E CAP.	10μF 50V M
	C728	NCB31HK-103X	C CAP.	0.01μF 50V K
	C807	QETN1AM-477Z	E CAP.	470μF 10V M
	C813	NCB31HK-102X	C CAP.	1000pF 50V K
	C815	NCB31HK-103X	C CAP.	0.01μF 50V K
	C853	QETN1CM-227Z	E CAP.	220μF 16V M
	C854	QETN1CM-227Z	E CAP.	220μF 16V M
	C856	QETN1CM-227Z	E CAP.	220μF 16V M
	C857	QETN1CM-477Z	E CAP.	470μF 16V M
⚠	C901	QFZ9072-104	MF CAP.	0.1μFAC275V K
⚠	C901	or QFZ9075-104	MPP CAP.	0.1μ FAC275V K
⚠	C902	QFZ9072-473	MF CAP.	0.047μFAC275V K
⚠	C902	or QFZ9075-473		0.047μFAC275V M
⚠	C904	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C905	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C906	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C907	QEZ0169-477	E CAP.	470μF 200V M
⚠	C908	or QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C908	QCZ9079-102	C CAP.	1000pF AC250V M
	C912	QCZ0340-222	C CAP.	2200pF 2kV K
	C913	QFLC1HJ-471Z	M CAP.	470pF 50V J
	C914	QETN1HM-107Z	E CAP.	100μF 50V M
	C916	NDC31HJ-331X	C CAP.	330pF 50V J
	C917	NCB31HK-182X	C CAP.	1800pF 50V K
	C918	NCB21HK-104X	C CAP.	0.1μF 50V K
	C919	QFP32GJ-103	PP CAP.	0.01μF 400V J
	C931	QEZ0203-107	E CAP.	100μF 160V M
	C933	QETN1CM-108Z	E CAP.	1000μF 16V M
	C934	NDC31HJ-151X	C CAP.	150pF 50V J
	C935	QETN1EM-108Z	E CAP.	1000μF 25V M
	C937	QCZ0340-102	C CAP.	1000pF 2kV K
	C938	QETN1CM-477Z	E CAP.	470μF 16V M
	C939	QCB32HK-152Z	C CAP.	1500pF 500V K
	C941	QCB32HK-102Z	C CAP.	1000pF 500V K
	C942	QEHR1HM-105Z	E CAP.	1μF 50V M
	C951	QETN1EM-477Z	E CAP.	470μF 25V M
	C952	QETN1CM-227Z	E CAP.	220μF 16V M
	C971	QETN1CM-107Z	E CAP.	100μF 16V M
	C972	QETN1EM-476Z	E CAP.	47μF 25V M
	C973	QETN1HM-106Z	E CAP.	10μF 50V M
⚠	C997	QCZ9052-102	C CAP.	1000pFAC125V M
⚠	C998	QCZ9074-103	C CAP.	0.01μFAC250V M
⚠	C999	QCZ9074-103	C CAP.	0.01μFAC250V M

TRANSF

⚠	Symbol No.	Part No.	Part Name	Description
	T111	QQR0907-001	IFT	
	T501	CE42034-002	HOR DRIVE TRANS	
⚠	T502	QQH0121-001	FB TRANSF	
⚠	T921	QQS0138-001	SW TRANSF	
⚠	T951	QQT0372-001	POWER TRANSF	or QQT0355-001

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L001	QQL244K-560Z	COIL	56μH K
	L101	QQLZ014-R22	INDUCTOR	
	L113	QQL244K-4R7Z	COIL	4.7μH K
	L131	QQL244K-150Z	COIL	15μH K
	L161	QQL244K-220Z	INDUCTOR	
	L232	QQL244K-560Z	COIL	56μH K
	L241	QQL244K-220Z	INDUCTOR	
	L391	QQL244K-220Z	INDUCTOR	
⚠	L511	QQR1027-003	LINEARITY COIL	
	L512	QQLZ036-821	INDUCTOR	or QQLZ027-821
⚠	L521	QQLZ026-640	INDUCTOR	

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L701	QQL244K-220Z	INDUCTOR	
	L702	QQL244K-220Z	INDUCTOR	
	L703	QQL244K-220Z	INDUCTOR	
	L704	QQL244K-220Z	INDUCTOR	
	L705	QQL244K-220Z	INDUCTOR	
	L931	QQL26AK-470Z	COIL	47μH K
	L933	QQL26AK-470Z	COIL	47μH K
	L940	QQR0582-001Z	FERRITE BEADS	

DIODE

⚠	Symbol No.	Part No.	Part Name	Description
	D305	1SS133-T2	SI DIODE	
	D306	1SS133-T2	SI DIODE	
	D307	1SS133-T2	SI DIODE	
	D308	1SS133-T2	SI DIODE	
	D309	1SS133-T2	SI DIODE	
	D310	1SS133-T2	SI DIODE	
	D352	MTZJ9.1C-T2	Z DIODE	
	D353	1SS133-T2	SI DIODE	
	D354	MTZJ3.3A-T2	Z DIODE	
	D421	1N4003-T2	SI DIODE	
	D422	MTZJ75-T2	Z DIODE	
	D432	1SS133-T2	SI DIODE	
	D501	RH3G-F1	SI DIODE	
⚠	D502	RU3AM-LFC4	SI DIODE	
	D521	RH1S-T3	SI DIODE	
	D523	RGP10J-5025-T3	SI DIODE	
	D525	1SS81-T5	SI DIODE	
	D526	1SS81-T5	SI DIODE	
	D527	1SR124-400A-T2	SI DIODE	
	D529	MTZJ5.1C-T2	Z DIODE	
⚠	D531	MA4068N/Z1/-T2	Z DIODE	
	D535	1SS133-T2	SI DIODE	
	D537	1SR35-400A-T2	SI DIODE	
	D601	MTZJ9.1C-T2	Z DIODE	
	D602	MTZJ9.1C-T2	Z DIODE	
	D603	MTZJ9.1C-T2	Z DIODE	
	D700	MTZJ5.6B-T2	Z DIODE	
	D701	1SS133-T2	SI DIODE	
	D703	MTZJ5.6B-T2	Z DIODE	
	D704	MTZJ5.6B-T2	Z DIODE	
	D705	1SS133-T2	SI DIODE	
	D706	MTZJ5.6B-T2	Z DIODE	
	D707	MTZJ5.6B-T2	Z DIODE	
	D708	MTZJ5.6B-T2	Z DIODE	
	D709	MTZJ5.6B-T2	Z DIODE	
	D723	MTZJ5.6B-T2	Z DIODE	
	D810	MTZJ5.6B-T2	Z DIODE	
⚠	D901	GSIB460-S1	BRIDGE DIODE	
	D910	MA700A-T2	SB DIODE	
⚠	D911	RGP10J-5025-T3	SI DIODE	
⚠	D912	RGP10J-5025-T3	SI DIODE	
⚠	D913	RGP10J-5025-T3	SI DIODE	
	D914	1SS133-T2	SI DIODE	
	D915	SARS01-T2	SI DIODE	
	D917	MTZJ30A-T2	Z DIODE	
	D918	MTZJ5.1C-T2	Z DIODE	
	D920	1SS133-T2	SI DIODE	
	D931	RU30A-F1	SI DIODE	
	D933	RU3YX-LFC4	SI DIODE	
	D935	RU3YX-LFC4	SI DIODE	
	D941	MTZJ33A-T2	Z DIODE	
	D945	MTZJ9.1B-T2	Z DIODE	
	D952	1SS133-T2	SI DIODE	
	D953	1SS133-T2	SI DIODE	
	D954	1N4002G-T2	SI DIODE	
	D955	1N4002G-T2	SI DIODE	
	D956	1N4002G-T2	SI DIODE	
	D957	1N4002G-T2	SI DIODE	
	D972	MTZJ15C-T2	Z DIODE	
	D973	1SS133-T2	SI DIODE	

TRANSISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	Q001	UN2212-X	DIGI TRANSISTOR	
	Q101	2SC5083/L-P/-T	TRANSISTOR	
	Q131	2SB709A/QR/-X	TRANSISTOR	
	Q161	2SD601A/QR/-X	TRANSISTOR	
	Q211	2SD601A/QR/-X	TRANSISTOR	

[AV-32D303/M, AV-32D203/M]

⚠	Symbol No.	Part No.	Part Name	Description
	TRANSISTOR			
	Q232	2SD601A/QR/-X	TRANSISTOR	
	Q233	2SD601A/QR/-X	TRANSISTOR	
	Q352	2SD601A/QR/-X	TRANSISTOR	
	Q431	UN2212-X	DIGI TRANSISTOR	
	Q501	2SC4212/Z1/	TRANSISTOR	
⚠	Q511	2SD2645-YD	POWER TRANSISTO	H.OUT
	Q531	2SC2785/JH/-T	SI TRANSISTOR	
	Q532	2SB709A/QR/-X	TRANSISTOR	
	Q541	2SB709A/QR/-X	TRANSISTOR	
	Q542	2SB709A/QR/-X	TRANSISTOR	
	Q543	2SD1408/OY/-LB	POW TRANSISTOR	
	Q622	2SD601A/QR/-X	TRANSISTOR	
	Q623	UN2212-X	DIGI TRANSISTOR	
	Q701	2SB709A/QR/-X	TRANSISTOR	
	Q951	2SD1383K/AB/-X	TRANSISTOR	
	Q971	2SA1208/ST/Z1-T	TRANSISTOR	
	IC			
	IC101	M52342SP	IC	
	IC201	TM8812CSBNG3U68	IC	
⚠	IC421	LA7841	IC	
	IC621	LA4485	IC	
	IC702	AT24C08-32D503	IC	(SERVICE)
	IC703	S-80840ANY-T	IC	
	IC704	AN78L05-T	IC	
	IC852	AN7809F	IC	or BA17809T
	IC853	AN7805F	IC	or BA17805T
⚠	IC911	STR-G6624/F8	IC	
⚠	IC921	SE135N	IC	
	OTHERS			
	CF001	QAX0349-001	C TRAP	
	CF131	QAX0639-001Z	C TRAP	
	CF161	QAX0642-001Z	C FILTER	
	CN001	QGB1505J1-35	B TO B CONNE	
	CN004	QGA2501C5-05Z	W TO B CONNE	
	CN005	QGA2501C5-04Z	W TO B CONNE	
	CN007	QGA2501C5-07Z	W TO B CONNE	
⚠	CNOPW	QMPD390-200-JS	POWER CORD	or QMPD200-200-JC
⚠	CP932	ICP-N70-T	C PROTECTOR	
⚠	CP936	ICP-N70-T	C PROTECTOR	
⚠	F901	QMF0007-5R0J1	FUSE	5.0A or QMF51U1-5R0-J8
⚠	F905	QMFZ049-5R0Z-E	FUSE	5.0A
	FC901	CEMG002-001Z	FUSE CLIP	
	FC902	CEMG002-001Z	FUSE CLIP	
⚠	FR525	QRZ9017-4R7	F R	4.7Ω 1/4W J
⚠	FR527	QRZ9011-470	F R	47Ω 1/2W J
	J601	QNN0349-002	PIN JACK	
	J810	QNS0001-001	JACK	
	K401	QQR0621-002Z	FERRITE BEADS	
	K912	QQR0582-001Z	FERRITE BEADS	
	K916	QQR0582-001Z	FERRITE BEADS	
	K917	QQR0582-001Z	FERRITE BEADS	
	K918	QQR0582-001Z	FERRITE BEADS	
	K931	QQR0582-001Z	FERRITE BEADS	
	K932	QQR0582-001Z	FERRITE BEADS	
	K933	QQR0621-002Z	FERRITE BEADS	
	K935	QQR0582-001Z	FERRITE BEADS	
	LC601	QQR1199-001	EMI FILTER	
	LC602	QQR1199-001	EMI FILTER	
	LC603	QQR1199-001	EMI FILTER	
⚠	LF901	QQR1085-003	LINE FILTER	or QQR0527-003
⚠	PC921	TLP421F/D4-GR/	IC(PHOTO COUPLE	
⚠	RY951	QSK0086-001	RELAY	or QSK0130-001, QSK0085-001
	S421	QSL4A13-C02	LEVER SWITCH	
	SF101	QAX0723-001	SAW FILTER	
⚠	TH901	QAD0132-3R0	P THERMISTOR	
⚠	TU001	QAU0274-001	TUNER	
⚠	VA901	ERZV10V621CS	ZNR	
	X701	QAX0717-001Z	CRYSTAL	

CRT SOCKET P.W. BOARD ASS'Y (SGE-3006A-M2)

Refer to PARTS LIST in page 43 for this P.W. board

AV SELECTOR P.W. BOARD ASS'Y (SGE-5001A-M2)

Refer to PARTS LIST in page 45 for this P.W. board

FRONT AV IN P.W. BOARD ASS'Y (SGE-6001A-M2)

Refer to PARTS LIST in page 46 for this P.W. board

FRONT CONTROL P.W. BOARD ASS'Y (SGE-7001A-M2)

Refer to PARTS LIST in page 46 for this P.W. board

[AV-32D303/R, AV-32D203/R]

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SGE-1028A-M2)

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R002	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R003	NRSA63J-101X	MG R	100Ω 1/16W J
	R004	NRSA63J-101X	MG R	100Ω 1/16W J
	R005	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R008	NRSA63J-820X	MG R	82Ω 1/16W J
	R009	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R101	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R102	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R103	QRE121J-101Y	C R	100Ω 1/2W J
	R104	NRSA63J-180X	MG R	18Ω 1/16W J
	R105	NRSA63J-270X	MG R	27Ω 1/16W J
	R111	NRSA63J-394X	MG R	390kΩ 1/16W J
	R112	NRSA63J-334X	MG R	330kΩ 1/16W J
	R113	NRSA63J-101X	MG R	100Ω 1/16W J
	R115	NRSA63J-101X	MG R	100Ω 1/16W J
	R116	NRSA63J-680X	MG R	68Ω 1/16W J
	R117	NRSA63J-273X	MG R	27kΩ 1/16W J
	R118	NRSA63J-223X	MG R	22kΩ 1/16W J
	R131	NRSA63J-102X	MG R	1kΩ 1/16W J
	R132	NRSA63J-331X	MG R	330Ω 1/16W J
	R133	NRSA63J-821X	MG R	820Ω 1/16W J
	R134	NRSA63J-561X	MG R	560Ω 1/16W J
	R135	NRSA63J-102X	MG R	1kΩ 1/16W J
	R161	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R162	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R163	NRSA63J-223X	MG R	22kΩ 1/16W J
	R164	NRSA63J-102X	MG R	1kΩ 1/16W J
	R165	NRSA63J-223X	MG R	22kΩ 1/16W J
	R166	NRSA63J-103X	MG R	10kΩ 1/16W J
	R167	NRSA63J-102X	MG R	1kΩ 1/16W J
	R168	NRSA63J-101X	MG R	100Ω 1/16W J
	R169	NRSA63J-561X	MG R	560Ω 1/16W J
	R171	NRSA63J-103X	MG R	10kΩ 1/16W J
	R201	NRSA63J-223X	MG R	22kΩ 1/16W J
	R212	NRSA63J-272X	MG R	2.7kΩ 1/16W J
	R215	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R216	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R217	NRSA63J-102X	MG R	1kΩ 1/16W J
	R222	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R227	NRSA63J-104X	MG R	100kΩ 1/16W J
	R231	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R237	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R238	NRSA63J-473X	MG R	47kΩ 1/16W J
	R241	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R243	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R281	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R282	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R283	NRSA63J-681X	MG R	680Ω 1/16W J
	R286	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R287	NRSA63J-101X	MG R	100Ω 1/16W J
	R288	NRSA63J-471X	MG R	470Ω 1/16W J
	R289	NRSA63J-154X	MG R	150kΩ 1/16W J
	R290	NRSA63J-561X	MG R	560Ω 1/16W J
	R292	NRSA63J-124X	MG R	120kΩ 1/16W J
	R293	NRSA63J-224X	MG R	220kΩ 1/16W J
	R301	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R302	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R303	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R304	NRSA63J-101X	MG R	100Ω 1/16W J
	R305	NRSA63J-101X	MG R	100Ω 1/16W J
	R306	NRSA63J-101X	MG R	100Ω 1/16W J
	R354	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R355	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R356	NRSA63J-123X	MG R	12kΩ 1/16W J
	R359	NRSA63J-103X	MG R	10kΩ 1/16W J
	R360	NCB31HK-103X	C CAP.	0.01µF 50V K
	R421	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R423	NRSA63J-393X	MG R	39kΩ 1/16W J
	R424	NRSA63J-393X	MG R	39kΩ 1/16W J
	R426	NRSA63J-183X	MG R	18kΩ 1/16W J
	R427	QRT029J-1R5	MF R	1.5Ω 2W J
	R429	NRSA63J-272X	MG R	2.7kΩ 1/16W J
	R430	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R431	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R432	NRSA63J-101X	MG R	100Ω 1/16W J
	R433	NRSA63J-681X	MG R	680Ω 1/16W J
	R434	QRL029J-181	OM R	180Ω 2W J
	R435	QRE121J-102Y	C R	1kΩ 1/2W J
	R441	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R447	NRSA63J-104X	MG R	100kΩ 1/16W J
	R448	NRSA63J-473X	MG R	47kΩ 1/16W J
	R449	NRSA63J-103X	MG R	10kΩ 1/16W J
	R501	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R502	NRSA63J-271X	MG R	270Ω 1/16W J
	R503	QRE121J-103Y	C R	10kΩ 1/2W J
	R504	QRL039J-102	OM R	1kΩ 3W J
	R505	QRL039J-102	OM R	1kΩ 3W J
	R511	QRE121J-220Y	C R	22Ω 1/2W J
	R512	QRE121J-681Y	C R	680Ω 1/2W J
	R523	QRJ146J-333X	C R	33kΩ 1/4W J
	R526	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R527	QRE121J-154Y	C R	150kΩ 1/2W J
	R528	QRE121J-154Y	C R	150kΩ 1/2W J
	R529	NRSA63J-331X	MG R	330Ω 1/16W J
	R531	QRJ146J-391X	C R	390Ω 1/4W J
	R532	NRSA63J-273X	MG R	27kΩ 1/16W J
	R533	NRSA63J-123X	MG R	12kΩ 1/16W J
	R534	NRSA63J-123X	MG R	12kΩ 1/16W J
⚠	R535	NRVA02D-222X	MF R	2.2kΩ 1/10W D
⚠	R537	NRVA02D-752X	MF R	7.5kΩ 1/10W D
	R538	NRSA63J-333X	MG R	33kΩ 1/16W J
	R543	QRE121J-122Y	C R	1.2kΩ 1/2W J
	R544	QRE121J-392Y	C R	3.9kΩ 1/2W J
	R545	QRE121J-822Y	C R	8.2kΩ 1/2W J
	R546	NRSA63J-331X	MG R	330Ω 1/16W J
	R547	NRSA63J-104X	MG R	100kΩ 1/16W J
	R548	QRE121J-152Y	C R	1.5kΩ 1/2W J
	R553	QRL039J-180	OM R	18Ω 3W J
⚠	R554	QRK126J-150X	C R	15Ω 1/2W J
	R555	QRX029J-3R3	MF R	3.3Ω 2W J
	R601	NRSA63J-750X	MG R	75Ω 1/16W J
	R602	NRSA63J-750X	MG R	75Ω 1/16W J
	R603	NRSA63J-750X	MG R	75Ω 1/16W J
	R610	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R611	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R612	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R621	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R622	NRSA63J-681X	MG R	680Ω 1/16W J
	R623	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R624	NRSA63J-681X	MG R	680Ω 1/16W J
	R626	NRSA63J-223X	MG R	22kΩ 1/16W J
	R627	NRSA63J-223X	MG R	22kΩ 1/16W J
	R631	NRSA63J-333X	MG R	33kΩ 1/16W J
	R632	NRSA63J-223X	MG R	22kΩ 1/16W J
	R638	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R639	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R651	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R652	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R653	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R700	NRSA63J-102X	MG R	1kΩ 1/16W J
	R701	NRSA63J-103X	MG R	10kΩ 1/16W J
	R702	NRSA63J-102X	MG R	1kΩ 1/16W J
	R704	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R705	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R706	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R707	NRSA63J-103X	MG R	10kΩ 1/16W J
	R708	NRSA63J-101X	MG R	100Ω 1/16W J
	R709	NRSA63J-101X	MG R	100Ω 1/16W J
	R715	NRSA63J-103X	MG R	10kΩ 1/16W J
	R718	NRSA63J-223X	MG R	22kΩ 1/16W J

[AV-32D303/R, AV-32D203/R]

RESISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	R721	NRSA63J-102X	MG R	1kΩ 1/16W J
	R728	NRSA63J-102X	MG R	1kΩ 1/16W J
	R729	NRSA63J-223X	MG R	22kΩ 1/16W J
	R731	NRSA63J-101X	MG R	100Ω 1/16W J
	R732	NRSA63J-101X	MG R	100Ω 1/16W J
	R733	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R734	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R739	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R740	NRSA63J-103X	MG R	10kΩ 1/16W J
	R764	NRSA63J-221X	MG R	220Ω 1/16W J
	R765	NRSA63J-221X	MG R	220Ω 1/16W J
	R766	NRSA63J-221X	MG R	220Ω 1/16W J
	R767	NRSA63J-221X	MG R	220Ω 1/16W J
	R769	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R772	NRSA63J-103X	MG R	10kΩ 1/16W J
	R811	NRSA63J-473X	MG R	47kΩ 1/16W J
	R812	NRSA63J-102X	MG R	1kΩ 1/16W J
	R816	NRSA63J-124X	MG R	120kΩ 1/16W J
	R821	NRSA63J-184X	MG R	180kΩ 1/16W J
	R822	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R827	NRSA63J-102X	MG R	1kΩ 1/16W J
	R855	QRG039J-100	OM R	10Ω 3W J
⚠	R857	QRL029J-470	OM R	47Ω 2W J
⚠	R858	QRL029J-820	OM R	82Ω 2W J
⚠	R901	QRF074K-R47	UNF R	0.47Ω 7W K
⚠	R909	QRG01GJ-470	OM R	47Ω 1W J
	R911	QRE121J-223Y	C R	22kΩ 1/2W J
	R912	QRT029J-R22	MF R	0.22Ω 2W J
	R913	QRT029J-R22	MF R	0.22Ω 2W J
	R914	QRK126J-681X	C R	680Ω 1/2W J
	R915	QRK129J-6R8	C R	6.8Ω 1/2W J
	R917	QRK126J-332X	C R	3.3kΩ 1/2W J
	R918	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R919	QRE121J-684Y	C R	680kΩ 1/2W J
	R924	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R930	QRE121J-223Y	C R	22kΩ 1/2W J
	R939	QRT039J-2R2	MF R	2.2Ω 3W J
	R940	QRE121J-181Y	C R	180Ω 1/2W J
	R941	QRL029J-183	OM R	18kΩ 2W J
	R950	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R951	NRSA63J-473X	MG R	47kΩ 1/16W J
	R952	NRSA63J-102X	MG R	1kΩ 1/16W J
	R953	QRE121J-820Y	C R	82Ω 1/2W J
	R973	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R975	QRE121J-223Y	C R	22kΩ 1/2W J
	R977	QRE121J-473Y	C R	47kΩ 1/2W J
	R978	NRSA63J-333X	MG R	33kΩ 1/16W J
	R979	QRT029J-1R2	MF R	1.2Ω 2W J
	R980	QRT029J-1R2	MF R	1.2Ω 2W J
⚠	R998	QRZ9041-275	C R	2.7MΩ 1/2W K
	R999	QRE121J-121Y	C R	120Ω 1/2W J

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C001	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C003	QETN1HM-106Z	E CAP.	10μF 50V M
	C004	QETN1CM-108Z	E CAP.	1000μF 16V M
	C006	QETN1EM-476Z	E CAP.	47μF 25V M
	C101	NCB31HK-103X	C CAP.	0.01μF 50V K
	C102	NCB31HK-103X	C CAP.	0.01μF 50V K
	C104	NCB31HK-103X	C CAP.	0.01μF 50V K
	C105	NCB31HK-103X	C CAP.	0.01μF 50V K
	C106	QETN1EM-476Z	E CAP.	47μF 25V M
	C107	NCB31HK-103X	C CAP.	0.01μF 50V K
	C113	NCB31HK-103X	C CAP.	0.01μF 50V K
	C114	NCB31HK-103X	C CAP.	0.01μF 50V K
	C116	QFVF1HJ-224Z	MF CAP.	0.22μF 50V J
	C117	QETN1EM-476Z	E CAP.	47μF 25V M
	C118	NCB31HK-103X	C CAP.	0.01μF 50V K
	C119	NDC31HJ-681X	C CAP.	680pF 50V J
	C120	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C124	NCB31HK-103X	C CAP.	0.01μF 50V K
	C131	NCB31HK-103X	C CAP.	0.01μF 50V K
	C161	QETN1HM-106Z	E CAP.	10μF 50V M
	C163	NDC31HJ-470X	C CAP.	47pF 50V J

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C164	NDC31HJ-470X	C CAP.	47pF 50V J
	C165	NCB31HK-103X	C CAP.	0.01μF 50V K
	C166	NCB31HK-103X	C CAP.	0.01μF 50V K
	C202	QETN1HM-105Z	E CAP.	1μF 50V M
	C203	NCB31HK-152X	C CAP.	1500pF 50V K
	C211	QENC1CM-106Z	E CAP.	10μF 16V M
	C212	NDC31HJ-100X	C CAP.	10pF 50V J
	C221	QETN1HM-106Z	E CAP.	10μF 50V M
	C222	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C223	NCB31HK-103X	C CAP.	0.01μF 50V K
	C233	NDC31HJ-680X	C CAP.	68pF 50V J
	C237	NCB31HK-103X	C CAP.	0.01μF 50V K
	C241	NCB31HK-103X	C CAP.	0.01μF 50V K
	C242	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C243	QETN1CM-107Z	E CAP.	100μF 16V M
	C244	NCB31HK-103X	C CAP.	0.01μF 50V K
	C281	QFVF1HJ-474Z	MF CAP.	0.47μF 50V J
	C282	QETN1CM-107Z	E CAP.	100μF 16V M
	C283	NCB31HK-103X	C CAP.	0.01μF 50V K
	C284	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C285	NCB31HK-103X	C CAP.	0.01μF 50V K
	C286	QETN1HM-106Z	E CAP.	10μF 50V M
	C287	QETN1CM-107Z	E CAP.	100μF 16V M
	C288	NCB31HK-103X	C CAP.	0.01μF 50V K
	C352	QETN1CM-336Z	E CAP.	33μF 16V M
	C354	NCB31HK-103X	C CAP.	0.01μF 50V K
	C391	QETN1CM-107Z	E CAP.	100μF 16V M
	C392	NCB31HK-103X	C CAP.	0.01μF 50V K
	C422	QFLC2AJ-102Z	M CAP.	1000pF 100V J
	C424	QETN1VM-107Z	E CAP.	100μF 35V M
	C425	QETN1VM-477Z	E CAP.	470μF 35V M
	C427	QETN1HM-105Z	E CAP.	1μF 50V M
	C428	QETM1EM-228	E CAP.	2200μF 25V M
	C431	QFLC2AK-563Z	M CAP.	0.056μF 100V K
	C432	QETN1EM-476Z	E CAP.	47μF 25V M
	C433	QETN1EM-476Z	E CAP.	47μF 25V M
	C435	NCB21HK-183X	C CAP.	0.018μF 50V K
	C440	QCS32HJ-220Z	C CAP.	22pF 500V J
	C501	QCB32HK-151Z	C CAP.	150pF 500V K
	C502	QCB32HK-331Z	C CAP.	330pF 500V K
	C503	QEHR2CM-105Z	E CAP.	1μF 160V M
	C504	QEZ0203-107	E CAP.	100μF 160V M
	C507	QEM61HK-475Z	E CAP.	4.7μF 50V K
	C508	QEM61HK-475Z	E CAP.	4.7μF 50V K
⚠	C510	QFZ0200-532	MPP CAP.	5300pF 1.5kV H±3%
⚠	C510	or QFZ0196-532	MPP CAP.	5300pF 1.5kV H±3%
⚠	C513	QFZ0198-133	MPP CAP.	0.013μF 1.5kV H±3%
⚠	C514	QFP32GJ-183	PP CAP.	0.018μF 400V J
⚠	C515	QFZ0199-564	MPP CAP.	0.56μF 250V J
⚠	C515	or QFZ0197-564	MPP CAP.	0.56μF 250V J
	C516	QCB32HK-561Z	C CAP.	560pF 500V K
	C521	QETN2EM-106Z	E CAP.	10μF 250V M
	C523	QEHR1VM-108Z	E CAP.	1000μF 35V M
	C525	QETN1VM-107Z	E CAP.	100μF 35V M
	C526	QFV21HJ-824Z	MF CAP.	0.82μF 50V J
	C527	QFLC2AJ-103Z	M CAP.	0.01μF 100V J
	C531	QCB32HK-102Z	C CAP.	1000pF 500V K
	C533	QETN1HM-106Z	E CAP.	10μF 50V M
	C601	QETN1EM-476Z	E CAP.	47μF 25V M
	C602	QETN1EM-476Z	E CAP.	47μF 25V M
	C603	QETN1EM-476Z	E CAP.	47μF 25V M
	C609	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C610	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C611	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C621	NCB31HK-102X	C CAP.	1000pF 50V K
	C622	NCF21CZ-105X	C CAP.	1μF 16V Z
	C623	NCB31HK-102X	C CAP.	1000pF 50V K
	C624	NCF21CZ-105X	C CAP.	1μF 16V Z
	C625	QETN1CM-107Z	E CAP.	100μF 16V M
	C626	QETN1EM-108Z	E CAP.	1000μF 25V M
	C627	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C628	QETN1EM-108Z	E CAP.	1000μF 25V M
	C629	QETN1EM-108Z	E CAP.	1000μF 25V M
	C636	QETN1HM-105Z	E CAP.	1μF 50V M
	C637	QETN1HM-105Z	E CAP.	1μF 50V M
	C700	NCB31HK-102X	C CAP.	1000pF 50V K

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CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C701	QETN1HM-106Z	E CAP.	10µF 50V M
	C702	QETN1HM-106Z	E CAP.	10µF 50V M
	C703	QETN1HM-106Z	E CAP.	10µF 50V M
	C704	QETN1CM-107Z	E CAP.	100µF 16V M
	C705	NCB31HK-103X	C CAP.	0.01µF 50V K
	C706	QETN1HM-105Z	E CAP.	1µF 50V M
	C708	NDC31HJ-220X	C CAP.	22pF 50V J
	C709	NDC31HJ-220X	C CAP.	22pF 50V J
	C711	QETN1CM-107Z	E CAP.	100µF 16V M
	C712	NCB31HK-103X	C CAP.	0.01µF 50V K
	C716	QETN1HM-106Z	E CAP.	10µF 50V M
	C728	NCB31HK-103X	C CAP.	0.01µF 50V K
	C807	QETN1AM-477Z	E CAP.	470µF 10V M
	C813	NCB31HK-102X	C CAP.	1000pF 50V K
	C815	NCB31HK-103X	C CAP.	0.01µF 50V K
	C853	QETN1CM-227Z	E CAP.	220µF 16V M
	C854	QETN1CM-227Z	E CAP.	220µF 16V M
	C856	QETN1CM-227Z	E CAP.	220µF 16V M
	C857	QETN1CM-477Z	E CAP.	470µF 16V M
⚠	C901	QFZ9072-104	MF CAP.	0.1µFAC275V K
⚠	C901	or QFZ9075-104	MPP CAP.	0.1µ FAC275V K
⚠	C902	QFZ9072-473	MF CAP.	0.047µFAC275V K
⚠	C902	or QFZ9075-473		0.047µFAC275V M
⚠	C904	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C905	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C906	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C907	QEZ0169-477	E CAP.	470µF 200V M
⚠	C908	or QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C908	QCZ9079-102	C CAP.	1000pF AC250V M
	C912	QCZ0340-222	C CAP.	2200pF 2kV K
	C913	QFLC1HJ-471Z	M CAP.	470pF 50V J
	C914	QETN1HM-107Z	E CAP.	100µF 50V M
	C916	NDC31HJ-331X	C CAP.	330pF 50V J
	C917	NCB31HK-182X	C CAP.	1800pF 50V K
	C918	NCB21HK-104X	C CAP.	0.1µF 50V K
	C919	QFP32GJ-103	PP CAP.	0.01µF 400V J
	C931	QEZ0203-107	E CAP.	100µF 160V M
	C933	QETN1CM-108Z	E CAP.	1000µF 16V M
	C934	NDC31HJ-151X	C CAP.	150pF 50V J
	C935	QETN1EM-108Z	E CAP.	1000µF 25V M
	C937	QCZ0340-102	C CAP.	1000pF 2kV K
	C938	QETN1CM-477Z	E CAP.	470µF 16V M
	C939	QCB32HK-152Z	C CAP.	1500pF 500V K
	C941	QCB32HK-102Z	C CAP.	1000pF 500V K
	C942	QEHR1HM-105Z	E CAP.	1µF 50V M
	C951	QETN1EM-477Z	E CAP.	470µF 25V M
	C952	QETN1CM-227Z	E CAP.	220µF 16V M
	C971	QETN1CM-107Z	E CAP.	100µF 16V M
	C972	QETN1EM-476Z	E CAP.	47µF 25V M
	C973	QETN1HM-106Z	E CAP.	10µF 50V M
⚠	C997	QCZ9052-102	C CAP.	1000pFAC125V M
⚠	C998	QCZ9074-103	C CAP.	0.01µFAC250V M
⚠	C999	QCZ9074-103	C CAP.	0.01µFAC250V M

TRANSF

⚠	Symbol No.	Part No.	Part Name	Description
	T111	QQR0907-001	IFT	
	T501	CE42034-002	HOR DRIVE TRANS	
⚠	T502	QQH0121-001	FB TRANSF	
⚠	T921	QQS0138-001	SW TRANSF	
⚠	T951	QQT0372-001	POWER TRANSF	or QQT0355-001

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L001	QQL244K-560Z	COIL	56µH K
	L101	QQLZ014-R22	INDUCTOR	
	L113	QQL244K-4R7Z	COIL	4.7µH K
	L131	QQL244K-150Z	COIL	15µH K
	L161	QQL244K-220Z	INDUCTOR	
	L232	QQL244K-560Z	COIL	56µH K
	L241	QQL244K-220Z	INDUCTOR	
	L391	QQL244K-220Z	INDUCTOR	
⚠	L511	CE41029-00A	LINEARITY COIL	
	L512	QQLZ036-821	INDUCTOR	or QQLZ027-821
⚠	L521	QQLZ026-540	INDUCTOR	

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L701	QQL244K-220Z	INDUCTOR	
	L702	QQL244K-220Z	INDUCTOR	
	L703	QQL244K-220Z	INDUCTOR	
	L704	QQL244K-220Z	INDUCTOR	
	L705	QQL244K-220Z	INDUCTOR	
	L931	QQL26AK-470Z	COIL	47µH K
	L933	QQL26AK-470Z	COIL	47µH K
	L940	QQR0582-001Z	FERRITE BEADS	

DIODE

⚠	Symbol No.	Part No.	Part Name	Description
	D305	1SS133-T2	SI DIODE	
	D306	1SS133-T2	SI DIODE	
	D307	1SS133-T2	SI DIODE	
	D308	1SS133-T2	SI DIODE	
	D309	1SS133-T2	SI DIODE	
	D310	1SS133-T2	SI DIODE	
	D352	MTZJ9.1C-T2	Z DIODE	
	D353	1SS133-T2	SI DIODE	
	D354	MTZJ3.3A-T2	Z DIODE	
	D421	1N4003-T2	SI DIODE	
	D422	MTZJ75-T2	Z DIODE	
	D432	1SS133-T2	SI DIODE	
	D501	RH3G-F1	SI DIODE	
⚠	D502	RU3AM-LFC4	SI DIODE	
	D521	RH1S-T3	SI DIODE	
	D523	RGP10J-5025-T3	SI DIODE	
	D525	1SS81-T5	SI DIODE	
	D526	1SS81-T5	SI DIODE	
	D527	1SR124-400A-T2	SI DIODE	
	D529	MTZJ5.1C-T2	Z DIODE	
⚠	D531	MA4068N/Z1/-T2	Z DIODE	
	D535	1SS133-T2	SI DIODE	
	D537	1SR35-400A-T2	SI DIODE	
	D601	MTZJ9.1C-T2	Z DIODE	
	D602	MTZJ9.1C-T2	Z DIODE	
	D603	MTZJ9.1C-T2	Z DIODE	
	D700	MTZJ5.6B-T2	Z DIODE	
	D701	1SS133-T2	SI DIODE	
	D703	MTZJ5.6B-T2	Z DIODE	
	D704	MTZJ5.6B-T2	Z DIODE	
	D705	1SS133-T2	SI DIODE	
	D706	MTZJ5.6B-T2	Z DIODE	
	D707	MTZJ5.6B-T2	Z DIODE	
	D708	MTZJ5.6B-T2	Z DIODE	
	D709	MTZJ5.6B-T2	Z DIODE	
	D723	MTZJ5.6B-T2	Z DIODE	
	D810	MTZJ5.6B-T2	Z DIODE	
⚠	D901	GSIB460-S1	BRIDGE DIODE	
	D910	MA700A-T2	SB DIODE	
⚠	D911	RGP10J-5025-T3	SI DIODE	
⚠	D912	RGP10J-5025-T3	SI DIODE	
⚠	D913	RGP10J-5025-T3	SI DIODE	
	D914	1SS133-T2	SI DIODE	
	D915	SARS01-T2	SI DIODE	
	D917	MTZJ30A-T2	Z DIODE	
	D918	MTZJ5.1C-T2	Z DIODE	
	D920	1SS133-T2	SI DIODE	
	D931	RU30A-F1	SI DIODE	
	D933	RU3YX-LFC4	SI DIODE	
	D935	RU3YX-LFC4	SI DIODE	
	D941	MTZJ33A-T2	Z DIODE	
	D945	MTZJ9.1B-T2	Z DIODE	
	D952	1SS133-T2	SI DIODE	
	D953	1SS133-T2	SI DIODE	
	D954	1N4002G-T2	SI DIODE	
	D955	1N4002G-T2	SI DIODE	
	D956	1N4002G-T2	SI DIODE	
	D957	1N4002G-T2	SI DIODE	
	D972	MTZJ15C-T2	Z DIODE	
	D973	1SS133-T2	SI DIODE	

TRANSISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	Q001	UN2212-X	DIGI TRANSISTOR	
	Q101	2SC5083/L-P/-T	TRANSISTOR	
	Q131	2SB709A/QR/-X	TRANSISTOR	
	Q161	2SD601A/QR/-X	TRANSISTOR	
	Q211	2SD601A/QR/-X	TRANSISTOR	

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⚠	Symbol No.	Part No.	Part Name	Description
	TRANSISTOR			
	Q232	2SD601A/QR/-X	TRANSISTOR	
	Q233	2SD601A/QR/-X	TRANSISTOR	
	Q352	2SD601A/QR/-X	TRANSISTOR	
	Q431	UN2212-X	DIGI TRANSISTOR	
	Q501	2SC4212/Z1/	TRANSISTOR	
⚠	Q511	2SD2645-YD	POWER TRANSISTO	H.OUT
	Q531	2SC2785/JH/-T	SI TRANSISTOR	
	Q532	2SB709A/QR/-X	TRANSISTOR	
	Q541	2SB709A/QR/-X	TRANSISTOR	
	Q542	2SB709A/QR/-X	TRANSISTOR	
	Q543	2SD1408/OY/-LB	POW TRANSISTOR	
	Q622	2SD601A/QR/-X	TRANSISTOR	
	Q623	UN2212-X	DIGI TRANSISTOR	
	Q701	2SB709A/QR/-X	TRANSISTOR	
	Q951	2SD1383K/AB/-X	TRANSISTOR	
	Q971	2SA1208/ST/Z1-T	TRANSISTOR	
	IC			
	IC101	M52342SP	IC	
	IC201	TM8812CSBNG3U68	IC	
⚠	IC421	LA7841	IC	
	IC621	LA4485	IC	
	IC702	AT24C08-32D503	IC	(SERVICE)
	IC703	S-80840ANY-T	IC	
	IC704	AN78L05-T	IC	
	IC852	AN7809F	IC	or BA17809T
	IC853	AN7805F	IC	or BA17805T
⚠	IC911	STR-G6624/F8	IC	
⚠	IC921	SE135N	IC	
	OTHERS			
	CF001	QAX0349-001	C TRAP	
	CF131	QAX0639-001Z	C TRAP	
	CF161	QAX0642-001Z	C FILTER	
	CN001	QGB1505J1-35	B TO B CONNE	
	CN004	QGA2501C5-05Z	W TO B CONNE	
	CN005	QGA2501C5-04Z	W TO B CONNE	
	CN007	QGA2501C5-07Z	W TO B CONNE	
⚠	CNOPW	QMPD390-200-JS	POWER CORD	or QMPD200-200-JC
⚠	CP932	ICP-N70-T	C PROTECTOR	
⚠	CP936	ICP-N70-T	C PROTECTOR	
⚠	F901	QMF0007-5R0J1	FUSE	5.0A or QMF51U1-5R0-J8
⚠	F905	QMFZ049-5R0Z-E	FUSE	5.0A
	FC901	CEMG002-001Z	FUSE CLIP	
	FC902	CEMG002-001Z	FUSE CLIP	
⚠	FR525	QRZ9017-4R7	F R	4.7Ω 1/4W J
⚠	FR527	QRZ9011-470	F R	47Ω 1/2W J
	J601	QNN0349-002	PIN JACK	
	J810	QNS0001-001	JACK	
	K401	QQR0621-002Z	FERRITE BEADS	
	K912	QQR0582-001Z	FERRITE BEADS	
	K916	QQR0582-001Z	FERRITE BEADS	
	K917	QQR0582-001Z	FERRITE BEADS	
	K918	QQR0582-001Z	FERRITE BEADS	
	K931	QQR0582-001Z	FERRITE BEADS	
	K932	QQR0582-001Z	FERRITE BEADS	
	K933	QQR0621-002Z	FERRITE BEADS	
	K935	QQR0582-001Z	FERRITE BEADS	
	LC601	QQR1199-001	EMI FILTER	
	LC602	QQR1199-001	EMI FILTER	
	LC603	QQR1199-001	EMI FILTER	
⚠	LF901	QQR1085-003	LINE FILTER	or QQR0527-003
⚠	PC921	TLP421F/D4-GR/	IC(PHOTO COUPLE	
⚠	RY951	QSK0086-001	RELAY	or QSK0130-001, QSK0085-001
	S421	QSL4A13-C02	LEVER SWITCH	
	SF101	QAX0723-001	SAW FILTER	
⚠	TH901	QAD0132-3R0	P THERMISTOR	
⚠	TU001	QAU0274-001	TUNER	
⚠	VA901	ERZV10V621CS	ZNR	
	X701	QAX0717-001Z	CRYSTAL	

CRT SOCKET P.W. BOARD ASS'Y (SGE-3007A-M2)

Refer to PARTS LIST in page 50 for this P.W. board

AV SELECTOR P.W. BOARD ASS'Y (SGE-5001A-M2)

Refer to PARTS LIST in page 45 for this P.W. board

FRONT AV IN P.W. BOARD ASS'Y (SGE-6001A-M2)

Refer to PARTS LIST in page 46 for this P.W. board

FRONT CONTROL P.W. BOARD ASS'Y (SGE-7001A-M2)

Refer to PARTS LIST in page 46 for this P.W. board

[AV-32D303/Y, AV-32D203/Y]

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SGE-1006A-M2)

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R002	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R003	NRSA63J-101X	MG R	100Ω 1/16W J
	R004	NRSA63J-101X	MG R	100Ω 1/16W J
	R005	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R008	NRSA63J-820X	MG R	82Ω 1/16W J
	R009	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R101	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R102	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R103	QRE121J-101Y	C R	100Ω 1/2W J
	R104	NRSA63J-180X	MG R	18Ω 1/16W J
	R105	NRSA63J-270X	MG R	27Ω 1/16W J
	R111	NRSA63J-394X	MG R	390kΩ 1/16W J
	R112	NRSA63J-334X	MG R	330kΩ 1/16W J
	R113	NRSA63J-101X	MG R	100Ω 1/16W J
	R115	NRSA63J-101X	MG R	100Ω 1/16W J
	R116	NRSA63J-680X	MG R	68Ω 1/16W J
	R117	NRSA63J-273X	MG R	27kΩ 1/16W J
	R118	NRSA63J-223X	MG R	22kΩ 1/16W J
	R131	NRSA63J-102X	MG R	1kΩ 1/16W J
	R132	NRSA63J-331X	MG R	330Ω 1/16W J
	R133	NRSA63J-821X	MG R	820Ω 1/16W J
	R134	NRSA63J-561X	MG R	560Ω 1/16W J
	R135	NRSA63J-102X	MG R	1kΩ 1/16W J
	R161	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R162	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R163	NRSA63J-223X	MG R	22kΩ 1/16W J
	R164	NRSA63J-102X	MG R	1kΩ 1/16W J
	R165	NRSA63J-223X	MG R	22kΩ 1/16W J
	R166	NRSA63J-103X	MG R	10kΩ 1/16W J
	R167	NRSA63J-102X	MG R	1kΩ 1/16W J
	R168	NRSA63J-101X	MG R	100Ω 1/16W J
	R169	NRSA63J-561X	MG R	560Ω 1/16W J
	R171	NRSA63J-103X	MG R	10kΩ 1/16W J
	R201	NRSA63J-223X	MG R	22kΩ 1/16W J
	R212	NRSA63J-272X	MG R	2.7kΩ 1/16W J
	R215	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R216	NRSA63J-562X	MG R	5.6kΩ 1/16W J
	R217	NRSA63J-102X	MG R	1kΩ 1/16W J
	R222	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R227	NRSA63J-104X	MG R	100kΩ 1/16W J
	R231	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R237	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R238	NRSA63J-473X	MG R	47kΩ 1/16W J
	R241	NRSA63J-332X	MG R	3.3kΩ 1/16W J
	R243	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R281	NRSA63J-182X	MG R	1.8kΩ 1/16W J
	R282	NRSA63J-392X	MG R	3.9kΩ 1/16W J
	R283	NRSA63J-681X	MG R	680Ω 1/16W J
	R286	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R287	NRSA63J-101X	MG R	100Ω 1/16W J
	R288	NRSA63J-471X	MG R	470Ω 1/16W J
	R289	NRSA63J-154X	MG R	150kΩ 1/16W J
	R290	NRSA63J-561X	MG R	560Ω 1/16W J
	R292	NRSA63J-124X	MG R	120kΩ 1/16W J
	R293	NRSA63J-224X	MG R	220kΩ 1/16W J
	R301	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R302	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R303	NRSA63J-222X	MG R	2.2kΩ 1/16W J
	R304	NRSA63J-101X	MG R	100Ω 1/16W J
	R305	NRSA63J-101X	MG R	100Ω 1/16W J
	R306	NRSA63J-101X	MG R	100Ω 1/16W J
	R354	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R355	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R356	NRSA63J-123X	MG R	12kΩ 1/16W J
	R359	NRSA63J-103X	MG R	10kΩ 1/16W J
	R360	NCB31HK-103X	C CAP.	0.01μF 50V K
	R421	NRSA63J-822X	MG R	8.2kΩ 1/16W J
	R423	NRSA63J-393X	MG R	39kΩ 1/16W J
	R424	NRSA63J-393X	MG R	39kΩ 1/16W J
	R426	NRSA63J-183X	MG R	18kΩ 1/16W J

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R427	QRT029J-1R5	MF R	1.5Ω 2W J
	R429	NRSA63J-272X	MG R	2.7kΩ 1/16W J
	R430	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R431	NRSA63J-152X	MG R	1.5kΩ 1/16W J
	R432	NRSA63J-101X	MG R	100Ω 1/16W J
	R433	NRSA63J-681X	MG R	680Ω 1/16W J
	R434	QRL029J-181	OM R	180Ω 2W J
	R435	QRE121J-102Y	C R	1kΩ 1/2W J
	R441	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R447	NRSA63J-104X	MG R	100kΩ 1/16W J
	R448	NRSA63J-473X	MG R	47kΩ 1/16W J
	R449	NRSA63J-103X	MG R	10kΩ 1/16W J
	R501	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R502	NRSA63J-271X	MG R	270Ω 1/16W J
	R503	QRE121J-103Y	C R	10kΩ 1/2W J
	R504	QRL039J-102	OM R	1kΩ 3W J
	R505	QRL039J-102	OM R	1kΩ 3W J
	R511	QRE121J-220Y	C R	22Ω 1/2W J
	R512	QRE121J-681Y	C R	680Ω 1/2W J
	R523	QRJ146J-333X	C R	33kΩ 1/4W J
	R526	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R527	QRE121J-154Y	C R	150kΩ 1/2W J
	R528	QRE121J-154Y	C R	150kΩ 1/2W J
	R529	NRSA63J-331X	MG R	330Ω 1/16W J
	R531	QRJ146J-391X	C R	390Ω 1/4W J
	R532	NRSA63J-273X	MG R	27kΩ 1/16W J
	R533	NRSA63J-123X	MG R	12kΩ 1/16W J
	R534	NRSA63J-123X	MG R	12kΩ 1/16W J
⚠	R535	NRVA02D-222X	MF R	2.2kΩ 1/10W D
⚠	R537	NRVA02D-752X	MF R	7.5kΩ 1/10W D
	R538	NRSA63J-333X	MG R	33kΩ 1/16W J
	R543	QRE121J-122Y	C R	1.2kΩ 1/2W J
	R544	QRE121J-392Y	C R	3.9kΩ 1/2W J
	R545	QRE121J-822Y	C R	8.2kΩ 1/2W J
	R546	NRSA63J-331X	MG R	330Ω 1/16W J
	R547	NRSA63J-104X	MG R	100kΩ 1/16W J
	R548	QRE121J-152Y	C R	1.5kΩ 1/2W J
	R553	QRL039J-180	OM R	18Ω 3W J
⚠	R554	QRK126J-150X	C R	15Ω 1/2W J
	R555	QRX029J-3R3	MF R	3.3Ω 2W J
	R601	NRSA63J-750X	MG R	75Ω 1/16W J
	R602	NRSA63J-750X	MG R	75Ω 1/16W J
	R603	NRSA63J-750X	MG R	75Ω 1/16W J
	R610	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R611	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R612	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R621	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R622	NRSA63J-681X	MG R	680Ω 1/16W J
	R623	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R624	NRSA63J-681X	MG R	680Ω 1/16W J
	R626	NRSA63J-223X	MG R	22kΩ 1/16W J
	R627	NRSA63J-223X	MG R	22kΩ 1/16W J
	R631	NRSA63J-333X	MG R	33kΩ 1/16W J
	R632	NRSA63J-223X	MG R	22kΩ 1/16W J
	R638	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R639	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R651	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R652	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R653	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R700	NRSA63J-102X	MG R	1kΩ 1/16W J
	R701	NRSA63J-103X	MG R	10kΩ 1/16W J
	R702	NRSA63J-102X	MG R	1kΩ 1/16W J
	R704	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R705	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R706	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R707	NRSA63J-103X	MG R	10kΩ 1/16W J
	R708	NRSA63J-101X	MG R	100Ω 1/16W J
	R709	NRSA63J-101X	MG R	100Ω 1/16W J
	R715	NRSA63J-103X	MG R	10kΩ 1/16W J
	R718	NRSA63J-223X	MG R	22kΩ 1/16W J

[AV-32D303/Y, AV-32D203/Y]

⚠	Symbol No.	Part No.	Part Name	Description
	RESISTOR			
	R721	NRSA63J-102X	MG R	1kΩ 1/16W J
	R728	NRSA63J-102X	MG R	1kΩ 1/16W J
	R729	NRSA63J-223X	MG R	22kΩ 1/16W J
	R731	NRSA63J-101X	MG R	100Ω 1/16W J
	R732	NRSA63J-101X	MG R	100Ω 1/16W J
	R733	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R734	NRSA63J-472X	MG R	4.7kΩ 1/16W J
	R739	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R740	NRSA63J-103X	MG R	10kΩ 1/16W J
	R764	NRSA63J-221X	MG R	220Ω 1/16W J
	R765	NRSA63J-221X	MG R	220Ω 1/16W J
	R766	NRSA63J-221X	MG R	220Ω 1/16W J
	R767	NRSA63J-221X	MG R	220Ω 1/16W J
	R769	NRSA63J-682X	MG R	6.8kΩ 1/16W J
	R772	NRSA63J-103X	MG R	10kΩ 1/16W J
	R811	NRSA63J-473X	MG R	47kΩ 1/16W J
	R812	NRSA63J-102X	MG R	1kΩ 1/16W J
	R816	NRSA63J-124X	MG R	120kΩ 1/16W J
	R821	NRSA63J-184X	MG R	180kΩ 1/16W J
	R822	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R827	NRSA63J-102X	MG R	1kΩ 1/16W J
	R855	QRG039J-100	OM R	10Ω 3W J
⚠	R857	QRL029J-470	OM R	47Ω 2W J
⚠	R858	QRL029J-820	OM R	82Ω 2W J
⚠	R901	QRF074K-R47	UNF R	0.47Ω 7W K
⚠	R909	QRG01GJ-470	OM R	47Ω 1W J
	R911	QRE121J-223Y	C R	22kΩ 1/2W J
	R912	QRT029J-R22	MF R	0.22Ω 2W J
	R913	QRT029J-R22	MF R	0.22Ω 2W J
	R914	QRK126J-681X	C R	680Ω 1/2W J
	R915	QRK129J-6R8	C R	6.8Ω 1/2W J
	R917	QRK126J-332X	C R	3.3kΩ 1/2W J
	R918	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R919	QRE121J-684Y	C R	680kΩ 1/2W J
	R924	QRE121J-222Y	C R	2.2kΩ 1/2W J
	R930	QRE121J-223Y	C R	22kΩ 1/2W J
	R939	QRT039J-2R2	MF R	2.2Ω 3W J
	R940	QRE121J-181Y	C R	180Ω 1/2W J
	R941	QRL029J-183	OM R	18kΩ 2W J
	R950	NRSA63J-0R0X	MG R	0.0Ω 1/16W J
	R951	NRSA63J-473X	MG R	47kΩ 1/16W J
	R952	NRSA63J-102X	MG R	1kΩ 1/16W J
	R953	QRE121J-820Y	C R	82Ω 1/2W J
	R973	QRE121J-272Y	C R	2.7kΩ 1/2W J
	R975	QRE121J-223Y	C R	22kΩ 1/2W J
	R977	QRE121J-473Y	C R	47kΩ 1/2W J
	R978	NRSA63J-333X	MG R	33kΩ 1/16W J
	R979	QRT029J-1R2	MF R	1.2Ω 2W J
	R980	QRT029J-1R2	MF R	1.2Ω 2W J
⚠	R998	QRZ9041-275	C R	2.7MΩ 1/2W K
	R999	QRE121J-121Y	C R	120Ω 1/2W J
	CAPACITOR			
	C001	QETN1HM-475Z	E CAP.	4.7μF 50V M
	C003	QETN1HM-106Z	E CAP.	10μF 50V M
	C004	QETN1CM-108Z	E CAP.	1000μF 16V M
	C006	QETN1EM-476Z	E CAP.	47μF 25V M
	C101	NCB31HK-103X	C CAP.	0.01μF 50V K
	C102	NCB31HK-103X	C CAP.	0.01μF 50V K
	C104	NCB31HK-103X	C CAP.	0.01μF 50V K
	C105	NCB31HK-103X	C CAP.	0.01μF 50V K
	C106	QETN1EM-476Z	E CAP.	47μF 25V M
	C107	NCB31HK-103X	C CAP.	0.01μF 50V K
	C113	NCB31HK-103X	C CAP.	0.01μF 50V K
	C114	NCB31HK-103X	C CAP.	0.01μF 50V K
	C116	QFVF1HJ-224Z	MF CAP.	0.22μF 50V J
	C117	QETN1EM-476Z	E CAP.	47μF 25V M
	C118	NCB31HK-103X	C CAP.	0.01μF 50V K
	C119	NDC31HJ-681X	C CAP.	680pF 50V J
	C120	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C124	NCB31HK-103X	C CAP.	0.01μF 50V K
	C131	NCB31HK-103X	C CAP.	0.01μF 50V K
	C161	QETN1HM-106Z	E CAP.	10μF 50V M
	C163	NDC31HJ-470X	C CAP.	47pF 50V J

⚠	Symbol No.	Part No.	Part Name	Description
	CAPACITOR			
	C164	NDC31HJ-470X	C CAP.	47pF 50V J
	C165	NCB31HK-103X	C CAP.	0.01μF 50V K
	C166	NCB31HK-103X	C CAP.	0.01μF 50V K
	C202	QETN1HM-105Z	E CAP.	1μF 50V M
	C203	NCB31HK-152X	C CAP.	1500pF 50V K
	C211	QENC1CM-106Z	E CAP.	10μF 16V M
	C212	NDC31HJ-100X	C CAP.	10pF 50V J
	C221	QETN1HM-106Z	E CAP.	10μF 50V M
	C222	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C223	NCB31HK-103X	C CAP.	0.01μF 50V K
	C233	NDC31HJ-680X	C CAP.	68pF 50V J
	C237	NCB31HK-103X	C CAP.	0.01μF 50V K
	C241	NCB31HK-103X	C CAP.	0.01μF 50V K
	C242	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C243	QETN1CM-107Z	E CAP.	100μF 16V M
	C244	NCB31HK-103X	C CAP.	0.01μF 50V K
	C281	QFVF1HJ-474Z	MF CAP.	0.47μF 50V J
	C282	QETN1CM-107Z	E CAP.	100μF 16V M
	C283	NCB31HK-103X	C CAP.	0.01μF 50V K
	C284	QETN1HM-225Z	E CAP.	2.2μF 50V M
	C285	NCB31HK-103X	C CAP.	0.01μF 50V K
	C286	QETN1HM-106Z	E CAP.	10μF 50V M
	C287	QETN1CM-107Z	E CAP.	100μF 16V M
	C288	NCB31HK-103X	C CAP.	0.01μF 50V K
	C352	QETN1CM-336Z	E CAP.	33μF 16V M
	C354	NCB31HK-103X	C CAP.	0.01μF 50V K
	C391	QETN1CM-107Z	E CAP.	100μF 16V M
	C392	NCB31HK-103X	C CAP.	0.01μF 50V K
	C422	QFLC2AJ-102Z	M CAP.	1000pF 100V J
	C424	QETN1VM-107Z	E CAP.	100μF 35V M
	C425	QETN1VM-477Z	E CAP.	470μF 35V M
	C427	QETN1HM-105Z	E CAP.	1μF 50V M
	C428	QETM1EM-228	E CAP.	2200μF 25V M
	C431	QFLC2AK-563Z	M CAP.	0.056μF 100V K
	C432	QETN1EM-476Z	E CAP.	47μF 25V M
	C433	QETN1EM-476Z	E CAP.	47μF 25V M
	C435	NCB21HK-183X	C CAP.	0.018μF 50V K
	C440	QCS32HJ-220Z	C CAP.	22pF 500V J
	C501	QCB32HK-151Z	C CAP.	150pF 500V K
	C502	QCB32HK-331Z	C CAP.	330pF 500V K
	C503	QEHR2CM-105Z	E CAP.	1μF 160V M
	C504	QEZ0203-107	E CAP.	100μF 160V M
	C507	QEM61HK-475Z	E CAP.	4.7μF 50V K
	C508	QEM61HK-475Z	E CAP.	4.7μF 50V K
⚠	C510	QFZ0200-532	MPP CAP.	5300pF 1.5kVH ±3%
⚠	C510	or QFZ0196-532	MPP CAP.	5300pF 1.5kVH ±3%
⚠	C513	QFZ0198-133	MPP CAP.	0.013μF 1.5kVH ±3%
⚠	C514	QFP32GJ-183	PP CAP.	0.018μF 400V J
⚠	C515	QFZ0199-564	MPP CAP.	0.56μF 250V J
⚠	C515	or QFZ0197-564	MPP CAP.	0.56μF 250V J
	C516	QCB32HK-561Z	C CAP.	560pF 500V K
	C521	QETN2EM-106Z	E CAP.	10μF 250V M
	C523	QEHR1VM-108Z	E CAP.	1000μF 35V M
	C525	QETN1VM-107Z	E CAP.	100μF 35V M
	C526	QFV21HJ-824Z	MF CAP.	0.82μF 50V J
	C527	QFLC2AJ-103Z	M CAP.	0.01μF 100V J
	C531	QCB32HK-102Z	C CAP.	1000pF 500V K
	C533	QETN1HM-106Z	E CAP.	10μF 50V M
	C601	QETN1EM-476Z	E CAP.	47μF 25V M
	C602	QETN1EM-476Z	E CAP.	47μF 25V M
	C603	QETN1EM-476Z	E CAP.	47μF 25V M
	C609	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C610	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C611	QFVF1HJ-104Z	MF CAP.	0.1μF 50V J
	C621	NCB31HK-102X	C CAP.	1000pF 50V K
	C622	NCF21CZ-105X	C CAP.	1μF 16V Z
	C623	NCB31HK-102X	C CAP.	1000pF 50V K
	C624	NCF21CZ-105X	C CAP.	1μF 16V Z
	C625	QETN1CM-107Z	E CAP.	100μF 16V M
	C626	QETN1EM-108Z	E CAP.	1000μF 25V M
	C627	QETN1HM-474Z	E CAP.	0.47μF 50V M
	C628	QETN1EM-108Z	E CAP.	1000μF 25V M
	C629	QETN1EM-108Z	E CAP.	1000μF 25V M
	C636	QETN1HM-105Z	E CAP.	1μF 50V M
	C637	QETN1HM-105Z	E CAP.	1μF 50V M
	C700	NCB31HK-102X	C CAP.	1000pF 50V K

[AV-32D303/Y, AV-32D203/Y]

CAPACITOR

⚠	Symbol No.	Part No.	Part Name	Description
	C701	QETN1HM-106Z	E CAP.	10μF 50V M
	C702	QETN1HM-106Z	E CAP.	10μF 50V M
	C703	QETN1HM-106Z	E CAP.	10μF 50V M
	C704	QETN1CM-107Z	E CAP.	100μF 16V M
	C705	NCB31HK-103X	C CAP.	0.01μF 50V K
	C706	QETN1HM-105Z	E CAP.	1μF 50V M
	C708	NDC31HJ-220X	C CAP.	22pF 50V J
	C709	NDC31HJ-220X	C CAP.	22pF 50V J
	C711	QETN1CM-107Z	E CAP.	100μF 16V M
	C712	NCB31HK-103X	C CAP.	0.01μF 50V K
	C716	QETN1HM-106Z	E CAP.	10μF 50V M
	C728	NCB31HK-103X	C CAP.	0.01μF 50V K
	C807	QETN1AM-477Z	E CAP.	470μF 10V M
	C813	NCB31HK-102X	C CAP.	1000pF 50V K
	C815	NCB31HK-103X	C CAP.	0.01μF 50V K
	C853	QETN1CM-227Z	E CAP.	220μF 16V M
	C854	QETN1CM-227Z	E CAP.	220μF 16V M
	C856	QETN1CM-227Z	E CAP.	220μF 16V M
	C857	QETN1CM-477Z	E CAP.	470μF 16V M
⚠	C901	QFZ9072-104	MF CAP.	0.1μFAC275V K
⚠	C901	or QFZ9075-104	MPP CAP.	0.1μ FAC275V K
⚠	C902	QFZ9072-473	MF CAP.	0.047μFAC275V K
⚠	C902	or QFZ9075-473		0.047μFAC275V M
⚠	C904	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C905	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C906	QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C907	QEZ0169-477	E CAP.	470μF 200V M
⚠	C908	or QCZ9054-102	C CAP.	1000pFAC250V Z
⚠	C908	QCZ9079-102	C CAP.	1000pF AC250V M
	C912	QCZ0340-222	C CAP.	2200pF 2kV K
	C913	QFLC1HJ-471Z	M CAP.	470pF 50V J
	C914	QETN1HM-107Z	E CAP.	100μF 50V M
	C916	NDC31HJ-331X	C CAP.	330pF 50V J
	C917	NCB31HK-182X	C CAP.	1800pF 50V K
	C918	NCB21HK-104X	C CAP.	0.1μF 50V K
	C919	QFP32GJ-103	PP CAP.	0.01μF 400V J
	C931	QEZ0203-107	E CAP.	100μF 160V M
	C933	QETN1CM-108Z	E CAP.	1000μF 16V M
	C934	NDC31HJ-151X	C CAP.	150pF 50V J
	C935	QETN1EM-108Z	E CAP.	1000μF 25V M
	C937	QCZ0340-102	C CAP.	1000pF 2kV K
	C938	QETN1CM-477Z	E CAP.	470μF 16V M
	C939	QCB32HK-152Z	C CAP.	1500pF 500V K
	C941	QCB32HK-102Z	C CAP.	1000pF 500V K
	C942	QEHR1HM-105Z	E CAP.	1μF 50V M
	C951	QETN1EM-477Z	E CAP.	470μF 25V M
	C952	QETN1CM-227Z	E CAP.	220μF 16V M
	C971	QETN1CM-107Z	E CAP.	100μF 16V M
	C972	QETN1EM-476Z	E CAP.	47μF 25V M
	C973	QETN1HM-106Z	E CAP.	10μF 50V M
⚠	C997	QCZ9052-102	C CAP.	1000pFAC125V M
⚠	C998	QCZ9074-103	C CAP.	0.01μFAC250V M
⚠	C999	QCZ9074-103	C CAP.	0.01μFAC250V M

TRANSF

⚠	Symbol No.	Part No.	Part Name	Description
	T111	QQR0907-001	IFT	
	T501	CE42034-002	HOR DRIVE TRANS	
⚠	T502	QQH0121-001	FB TRANSF	
⚠	T921	QQS0138-001	SW TRANSF	
⚠	T951	QQT0372-001	POWER TRANSF	or QQT0355-001

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L001	QQL244K-560Z	COIL	56μH K
	L101	QQLZ014-R22	INDUCTOR	
	L113	QQL244K-4R7Z	COIL	4.7μH K
	L131	QQL244K-150Z	COIL	15μH K
	L161	QQL244K-220Z	INDUCTOR	
	L232	QQL244K-560Z	COIL	56μH K
	L241	QQL244K-220Z	INDUCTOR	
	L391	QQL244K-220Z	INDUCTOR	
⚠	L511	QQR1027-003	LINEARITY COIL	
	L512	QQLZ036-821	INDUCTOR	or QQLZ027-821
⚠	L521	QQLZ026-560	INDUCTOR	

COIL

⚠	Symbol No.	Part No.	Part Name	Description
	L701	QQL244K-220Z	INDUCTOR	
	L702	QQL244K-220Z	INDUCTOR	
	L703	QQL244K-220Z	INDUCTOR	
	L704	QQL244K-220Z	INDUCTOR	
	L705	QQL244K-220Z	INDUCTOR	
	L931	QQL26AK-470Z	COIL	47μH K
	L933	QQL26AK-470Z	COIL	47μH K
	L940	QQR0582-001Z	FERRITE BEADS	

DIODE

⚠	Symbol No.	Part No.	Part Name	Description
	D305	1SS133-T2	SI DIODE	
	D306	1SS133-T2	SI DIODE	
	D307	1SS133-T2	SI DIODE	
	D308	1SS133-T2	SI DIODE	
	D309	1SS133-T2	SI DIODE	
	D310	1SS133-T2	SI DIODE	
	D352	MTZJ9.1C-T2	Z DIODE	
	D353	1SS133-T2	SI DIODE	
	D354	MTZJ3.3A-T2	Z DIODE	
	D421	1N4003-T2	SI DIODE	
	D422	MTZJ75-T2	Z DIODE	
	D432	1SS133-T2	SI DIODE	
	D501	RH3G-F1	SI DIODE	
⚠	D502	RU3AM-LFC4	SI DIODE	
	D521	RH1S-T3	SI DIODE	
	D523	RGP10J-5025-T3	SI DIODE	
	D525	1SS81-T5	SI DIODE	
	D526	1SS81-T5	SI DIODE	
	D527	1SR124-400A-T2	SI DIODE	
	D529	MTZJ5.1C-T2	Z DIODE	
⚠	D531	MA4068N/Z1/-T2	Z DIODE	
	D535	1SS133-T2	SI DIODE	
	D537	1SR35-400A-T2	SI DIODE	
	D601	MTZJ9.1C-T2	Z DIODE	
	D602	MTZJ9.1C-T2	Z DIODE	
	D603	MTZJ9.1C-T2	Z DIODE	
	D700	MTZJ5.6B-T2	Z DIODE	
	D701	1SS133-T2	SI DIODE	
	D703	MTZJ5.6B-T2	Z DIODE	
	D704	MTZJ5.6B-T2	Z DIODE	
	D705	1SS133-T2	SI DIODE	
	D706	MTZJ5.6B-T2	Z DIODE	
	D707	MTZJ5.6B-T2	Z DIODE	
	D708	MTZJ5.6B-T2	Z DIODE	
	D709	MTZJ5.6B-T2	Z DIODE	
	D723	MTZJ5.6B-T2	Z DIODE	
	D810	MTZJ5.6B-T2	Z DIODE	
⚠	D901	GSIB460-S1	BRIDGE DIODE	
	D910	MA700A-T2	SB DIODE	
⚠	D911	RGP10J-5025-T3	SI DIODE	
⚠	D912	RGP10J-5025-T3	SI DIODE	
⚠	D913	RGP10J-5025-T3	SI DIODE	
	D914	1SS133-T2	SI DIODE	
	D915	SARS01-T2	SI DIODE	
	D917	MTZJ30A-T2	Z DIODE	
	D918	MTZJ5.1C-T2	Z DIODE	
	D920	1SS133-T2	SI DIODE	
	D931	RU30A-F1	SI DIODE	
	D933	RU3YX-LFC4	SI DIODE	
	D935	RU3YX-LFC4	SI DIODE	
	D941	MTZJ33A-T2	Z DIODE	
	D945	MTZJ9.1B-T2	Z DIODE	
	D952	1SS133-T2	SI DIODE	
	D953	1SS133-T2	SI DIODE	
	D954	1N4002G-T2	SI DIODE	
	D955	1N4002G-T2	SI DIODE	
	D956	1N4002G-T2	SI DIODE	
	D957	1N4002G-T2	SI DIODE	
	D972	MTZJ15C-T2	Z DIODE	
	D973	1SS133-T2	SI DIODE	

TRANSISTOR

⚠	Symbol No.	Part No.	Part Name	Description
	Q001	UN2212-X	DIGI TRANSISTOR	
	Q101	2SC5083/L-P/-T	TRANSISTOR	
	Q131	2SB709A/QR/-X	TRANSISTOR	
	Q161	2SD601A/QR/-X	TRANSISTOR	
	Q211	2SD601A/QR/-X	TRANSISTOR	

[AV-32D303/Y, AV-32D203/Y]

⚠	Symbol No.	Part No.	Part Name	Description
	TRANSISTOR			
	Q232	2SD601A/QR/-X	TRANSISTOR	
	Q233	2SD601A/QR/-X	TRANSISTOR	
	Q352	2SD601A/QR/-X	TRANSISTOR	
	Q431	UN2212-X	DIGI TRANSISTOR	
	Q501	2SC4212/Z1/	TRANSISTOR	
⚠	Q511	2SD2645-YD	POWER TRANSISTO	H.OUT
	Q531	2SC2785/JH/-T	SI TRANSISTOR	
	Q532	2SB709A/QR/-X	TRANSISTOR	
	Q541	2SB709A/QR/-X	TRANSISTOR	
	Q542	2SB709A/QR/-X	TRANSISTOR	
	Q543	2SD1408/OY/-LB	POW TRANSISTOR	
	Q622	2SD601A/QR/-X	TRANSISTOR	
	Q623	UN2212-X	DIGI TRANSISTOR	
	Q701	2SB709A/QR/-X	TRANSISTOR	
	Q951	2SD1383K/AB/-X	TRANSISTOR	
	Q971	2SA1208/ST/Z1-T	TRANSISTOR	
	IC			
	IC101	M52342SP	IC	
	IC201	TM8812CSBNG3U68	IC	
⚠	IC421	LA7841	IC	
	IC621	LA4485	IC	
	IC702	AT24C08-32D503	IC	(SERVICE)
	IC703	S-80840ANY-T	IC	
	IC704	AN78L05-T	IC	
	IC852	AN7809F	IC	or BA17809T
	IC853	AN7805F	IC	or BA17805T
⚠	IC911	STR-G6624/F8	IC	
⚠	IC921	SE135N	IC	
	OTHERS			
	CF001	QAX0349-001	C TRAP	
	CF131	QAX0639-001Z	C TRAP	
	CF161	QAX0642-001Z	C FILTER	
	CN001	QGB1505J1-35	B TO B CONNE	
	CN004	QGA2501C5-05Z	W TO B CONNE	
	CN005	QGA2501C5-04Z	W TO B CONNE	
	CN007	QGA2501C5-07Z	W TO B CONNE	
⚠	CNOPW	QMPD390-200-JS	POWER CORD	or QMPD200-200-JC
⚠	CP932	ICP-N70-T	C PROTECTOR	
⚠	CP936	ICP-N70-T	C PROTECTOR	
⚠	F901	QMF0007-5R0J1	FUSE	5.0A or QMF51U1-5R0-J8
⚠	F905	QMFZ049-5R0Z-E	FUSE	5.0A
	FC901	CEMG002-001Z	FUSE CLIP	
	FC902	CEMG002-001Z	FUSE CLIP	
⚠	FR525	QRZ9017-4R7	F R	4.7Ω 1/4W J
⚠	FR527	QRZ9011-470	F R	47Ω 1/2W J
	J601	QNN0349-002	PIN JACK	
	J810	QNS0001-001	JACK	
	K401	QQR0621-002Z	FERRITE BEADS	
	K912	QQR0582-001Z	FERRITE BEADS	
	K916	QQR0582-001Z	FERRITE BEADS	
	K917	QQR0582-001Z	FERRITE BEADS	
	K918	QQR0582-001Z	FERRITE BEADS	
	K931	QQR0582-001Z	FERRITE BEADS	
	K932	QQR0582-001Z	FERRITE BEADS	
	K933	QQR0621-002Z	FERRITE BEADS	
	K935	QQR0582-001Z	FERRITE BEADS	
	LC601	QQR1199-001	EMI FILTER	
	LC602	QQR1199-001	EMI FILTER	
	LC603	QQR1199-001	EMI FILTER	
⚠	LF901	QQR1085-003	LINE FILTER	or QQR0527-003
⚠	PC921	TLP421F/D4-GR/	IC(PHOTO COUPLE	
⚠	RY951	QSK0086-001	RELAY	or QSK0130-001, QSK0085-001
	S421	QSL4A13-C02	LEVER SWITCH	
	SF101	QAX0723-001	SAW FILTER	
⚠	TH901	QAD0132-3R0	P THERMISTOR	
⚠	TU001	QAU0274-001	TUNER	
⚠	VA901	ERZV10V621CS	ZNR	
	X701	QAX0717-001Z	CRYSTAL	

CRT SOCKET P.W. BOARD ASS'Y (SGE-3004A-M2)

Refer to PARTS LIST in page 55 for this P.W. board

AV SELECTOR P.W. BOARD ASS'Y (SGE-5001A-M2)

Refer to PARTS LIST in page 45 for this P.W. board

FRONT AV IN P.W. BOARD ASS'Y (SGE-6001A-M2)

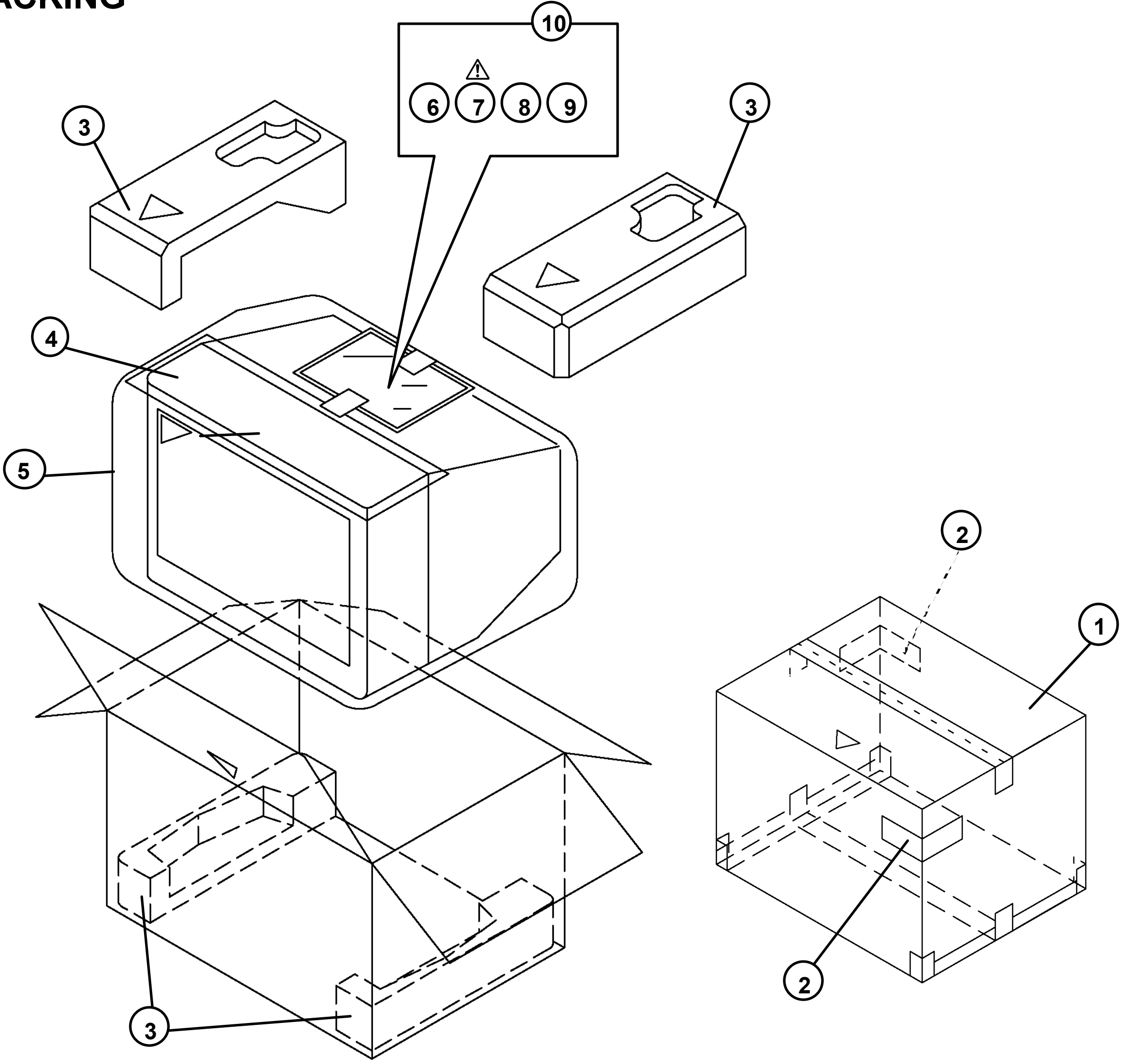
Refer to PARTS LIST in page 46 for this P.W. board

FRONT CONTROL P.W. BOARD ASS'Y (SGE-7001A-M2)

Refer to PARTS LIST in page 46 for this P.W. board

[AV-32D303 / AV-32D203]

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description
	1	LC10058-009A	PACKING CASE	
	2	CM36616-001-A	CORNER LABEL	2pcs in 1set
	3	LC10365-001D	CUSHION ASSY	4pcs in 1set
	4	CP30611-A02	TOP COVER	
	5	AP3756-11	POLY COVER	
	6	RM-C252-1H	REMOCON UNIT	
⚠	7	LCT1128-001A-A	INST BOOK	
	8	BT-51028-2Q	REGISTRATION CARD	
	9	BT-52006-1	WARRANTY CARD	
	10	QPA02503505	POLY BAG	

REMOTE CONTROL UNIT PARTS LIST (RM-C252-1H)

⚠	Ref.No.	Part No.	Part Name	Description
		UR77EC0603	BATTERY COVER	

Memo

Memo

Memo

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JVC®

AV-32D503/M/R/Y, AV-32D303/M/R/Y, AV-32D203/M/R/Y
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	:DC 20kΩ/V
(4)Oscilloscope sweeping time	:H ⇒ 20µS/div
	:V ⇒ 5mS/div
	:Others ⇒ Sweeping time is specified
(5)Voltage values	:All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board :R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

- Resistance value

No unit	:[Ω]
K	:[K Ω]
M	:[M Ω]

- Rated allowable power

No indication	:1/ 16 [W]
Others	:As specified

- Type

No indication	:Carbon resistor
OMR	:Oxide metal film resistor
MFR	:Metal film resistor
MPR	:Metal plate resistor
UNFR	:Uninflammable resistor
FR	:Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

- Capacitance value

1 or higher	:[pF]
less than 1	:[µF]

- Withstand voltage

No indication	:DC50[V]
Others	:DC withstand voltage [V]
AC indicated	:AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]:Capacitance value [µF]/withstand voltage[V]

- Type

No indication	:Ceramic capacitor
MM	:Metalized mylar capacitor
PP	:Polypropylene capacitor
MPP	:Metalized polypropylene capacitor
MF	:Metalized film capacitor
TF	:Thin film capacitor
BP	:Bipolar electrolytic capacitor
TAN	:Tantalum capacitor

(3)Coils

No unit	:[µH]
Others	:As specified

(4)Power Supply

:B1 :B2 (12V)
:9V :5V

∗ Respective voltage values are indicated

(5)Test point

:Test point :Only test point display

(6)Connecting method

:Connector :Wrapping or soldering
:Receptacle

(7)Ground symbol

⊥ :LIVE side ground
:ISOLATED(NEUTRAL) side ground
:EARTH ground
:DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : ( ) side GND.Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◇ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

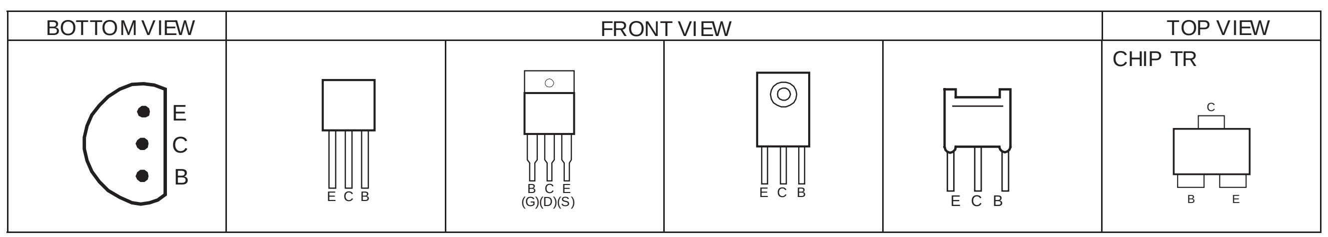
◇ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

May 2002 No. 51947

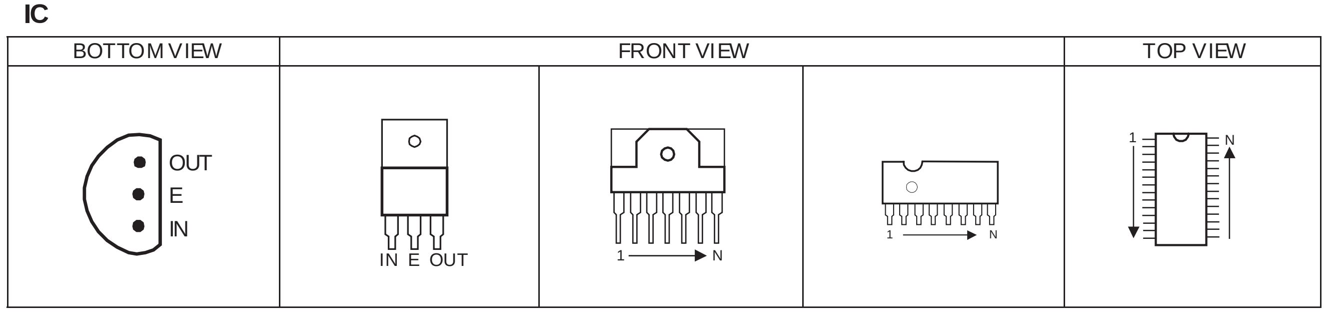
CONTENTS

SEMICONDUCTOR SHAPES

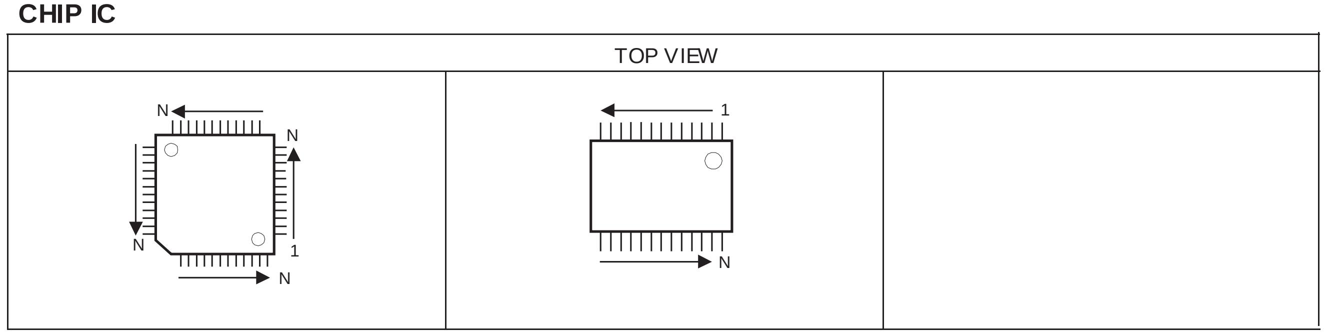
TRANSISTOR



IC



CHIP IC



CHANNEL CHART (CA)

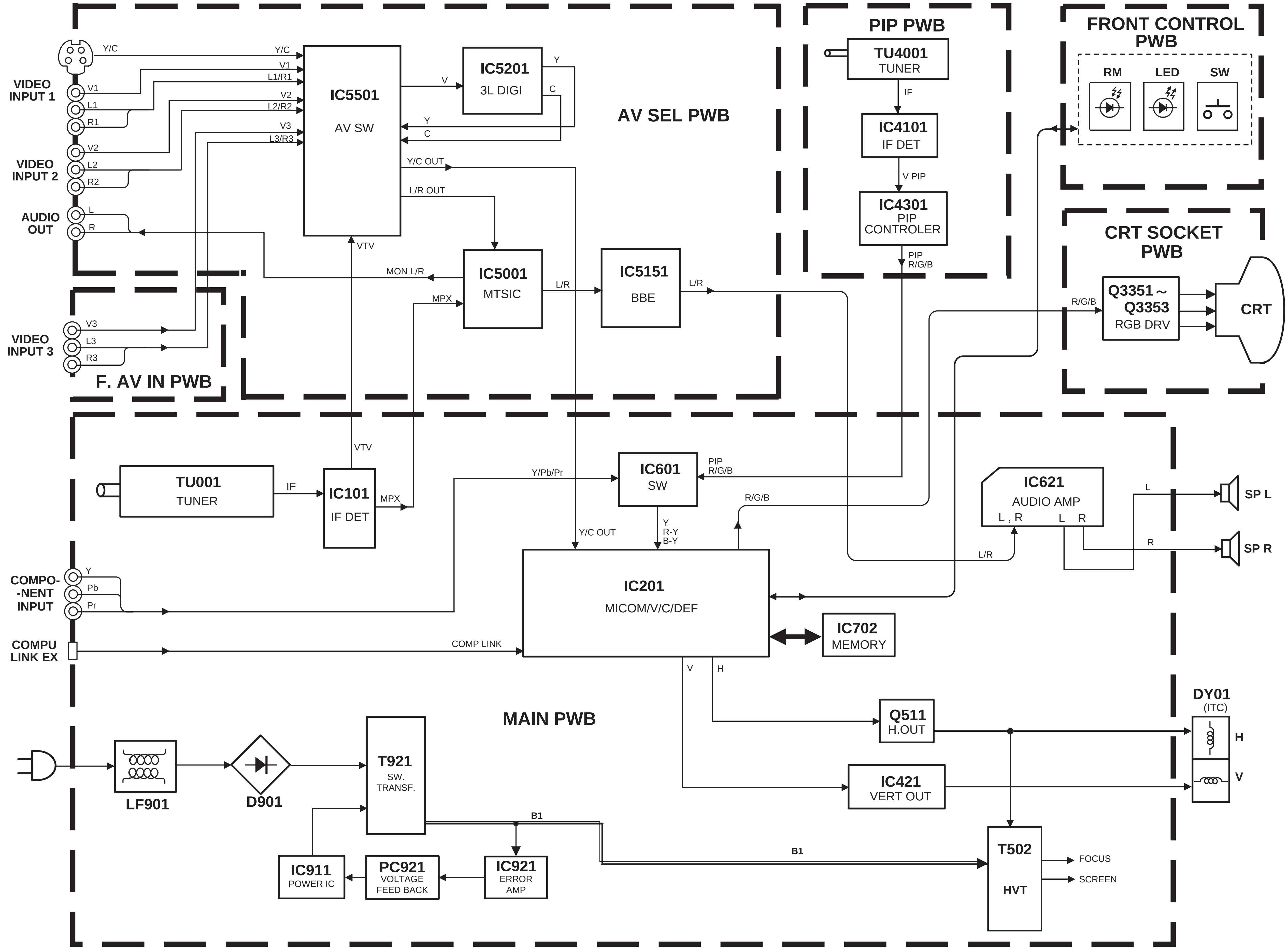
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○	○	VL	02		I
			03		
			04		
			05		
			06		
		VH	07		II
			08		
			09		
			10		
			11		
			12		
			13		
×	○	MID	A	14	
			B	15	
			C	16	
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	III
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	IV
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE TV	MODE CATV	BAND	CHANNEL REAL	CHANNEL DISP.	TUNER BAND
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	II
			A-2	98	
			A-1	99	
○	×	UHF	14 ~ 69		IV

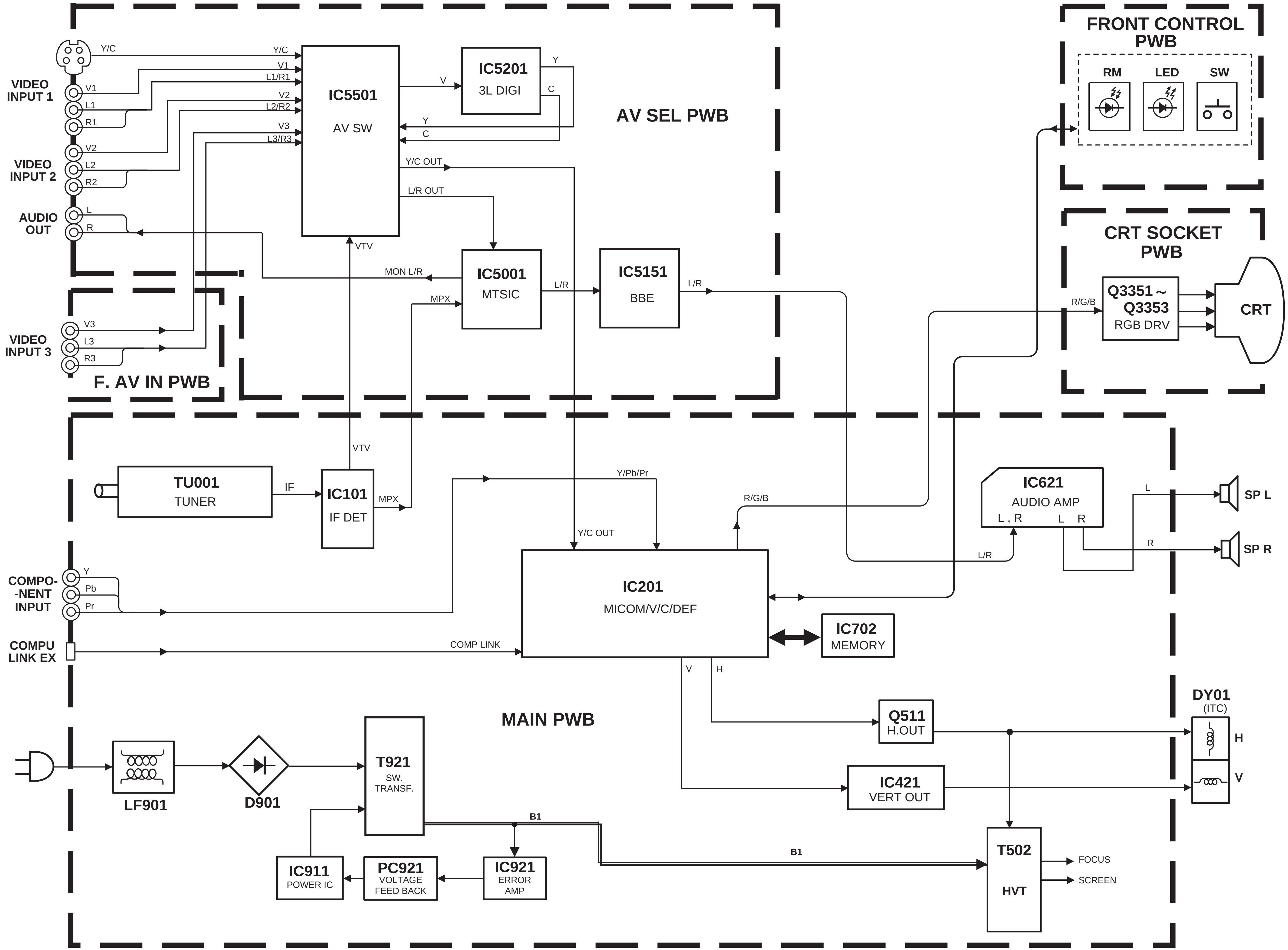
TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
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BLOCK DIAGRAM

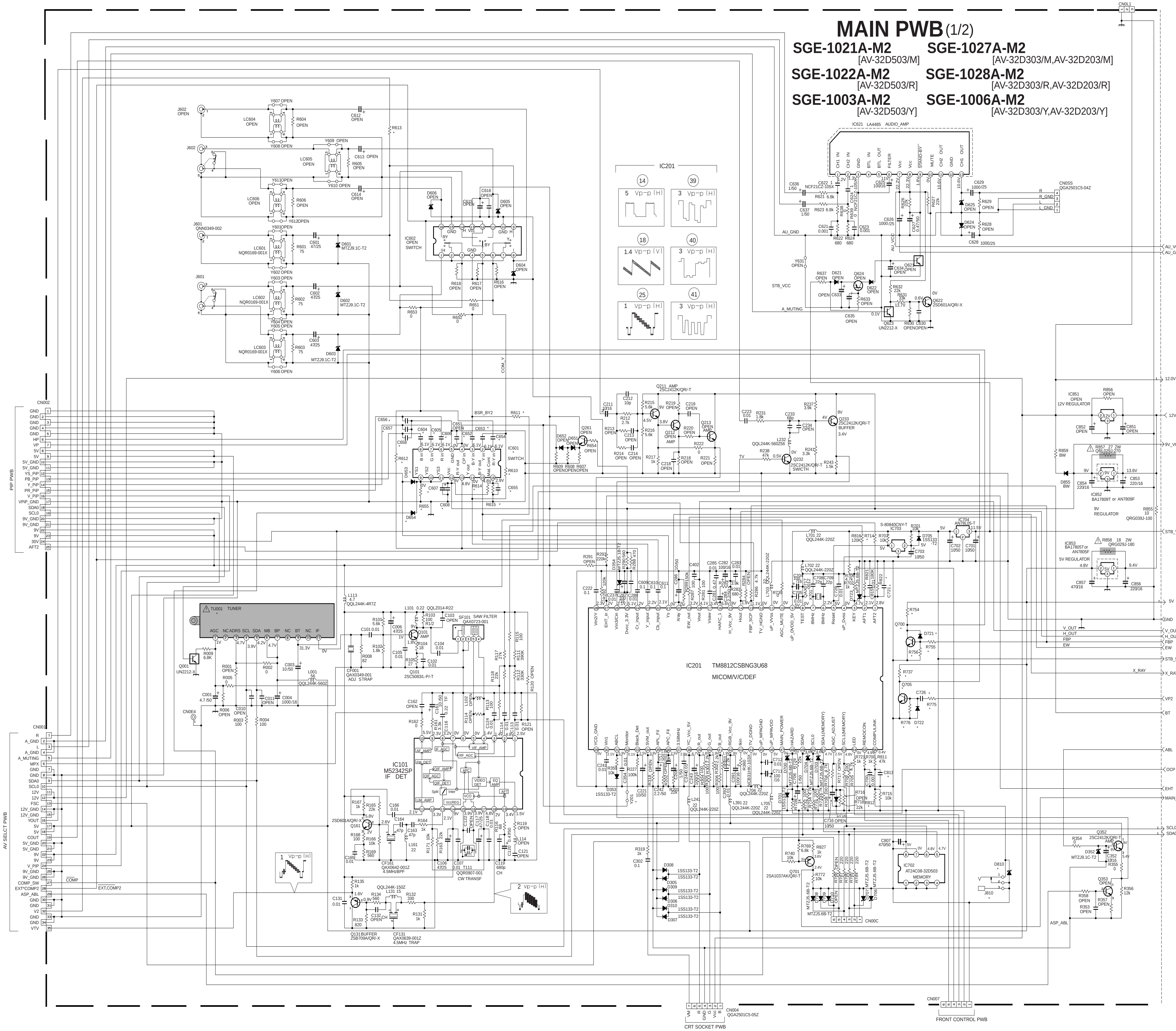


BLOCK DIAGRAM



AV-32D503
AV-32D303
AV-32D203

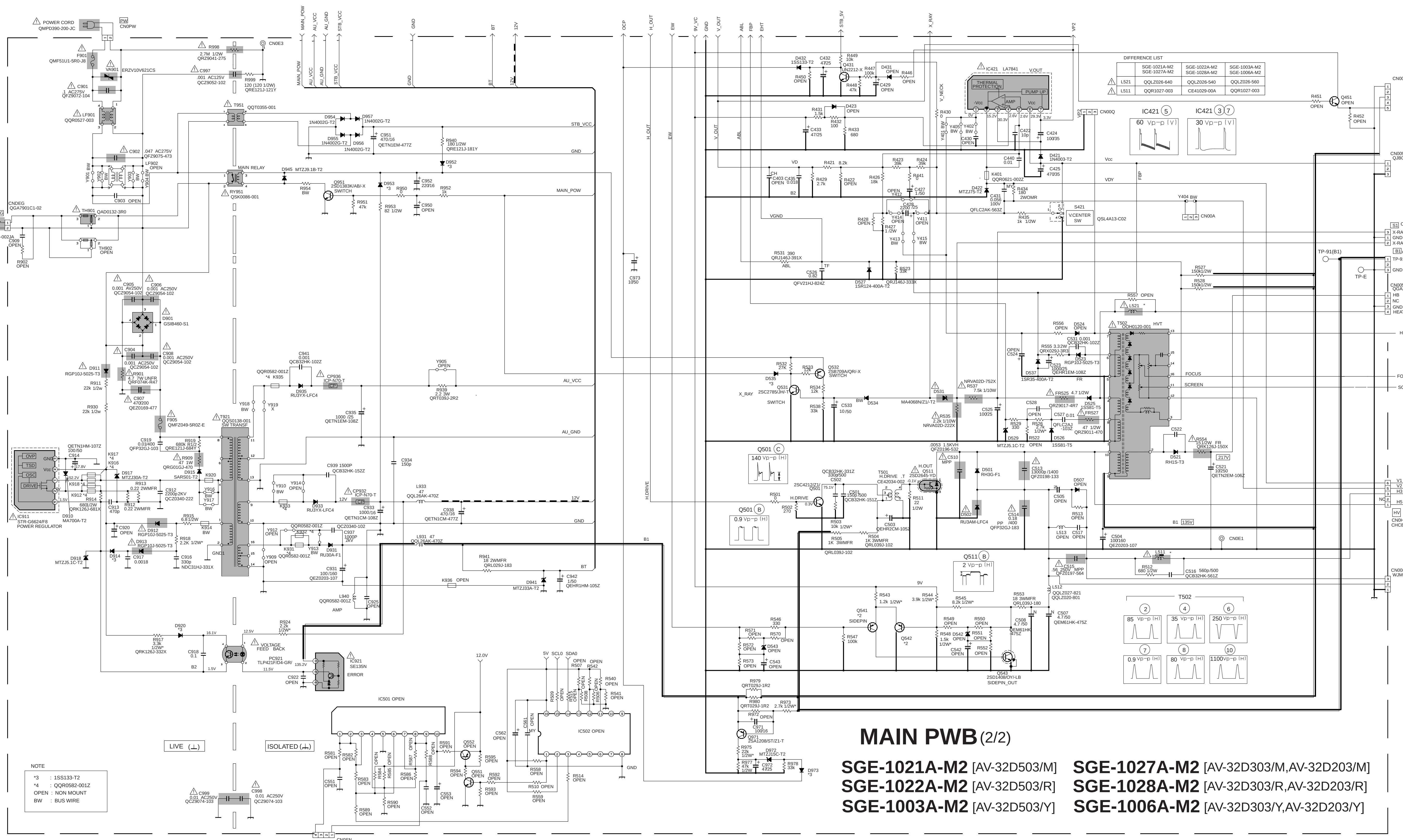
CIRCUIT DIAGRAMS *MAIN PWB CIRCUIT DIAGRAMS* [1/2]



DIFFERENCE LIST

	SGE-1021A-M2 SGE-1022A-M2 SGE-1003A-M2	SGE-1027A-M2 SGE-1028A-M2 SGE-1006A-M2
Q700	2SD601A/QR/-X	OPEN
Q705	2SD601A/QR/-X	OPEN
D721	1SS133-T2	OPEN
D722	1SS133-T2	OPEN
R754	4.7k	OPEN
R755	15k	OPEN
R756	10k	OPEN
R737	4.7k	OPEN
R775	47k	OPEN
R776	10k	OPEN
C726	560p	OPEN
R714	82k	OPEN
R822	120k	0
C721	0.01	OPEN
Y201	0	OPEN
IC601	TA1287F-X	OPEN
D653	1SS133-T2	OPEN
D654	1SS133-T2	OPEN
R610	OPEN	0
R611	OPEN	0
R612	OPEN	OPEN
R614	6.8k	OPEN
R615	3.3k	OPEN
R655	15k	OPEN
C604	0.1	OPEN
C605	0.1	OPEN
C606	0.1	OPEN
C607	470/10	OPEN
C608	0.01	OPEN
C652	0.1	OPEN
C653	0.1	OPEN
C654	0.1	OPEN
C655	0.01	OPEN
C656	15p	OPEN
C657	15p	OPEN
C658	15p	OPEN
R613	OPEN	0
J810	QNS0001-001	OPEN
D810	MTZJ5.6B-T2	OPEN
R812	1k	OPEN
C813	0.001	OPEN
⚠ TU001	QAU0272-001	QAU0274-001

MAIN PWB CIRCUIT DIAGRAM [2/2]

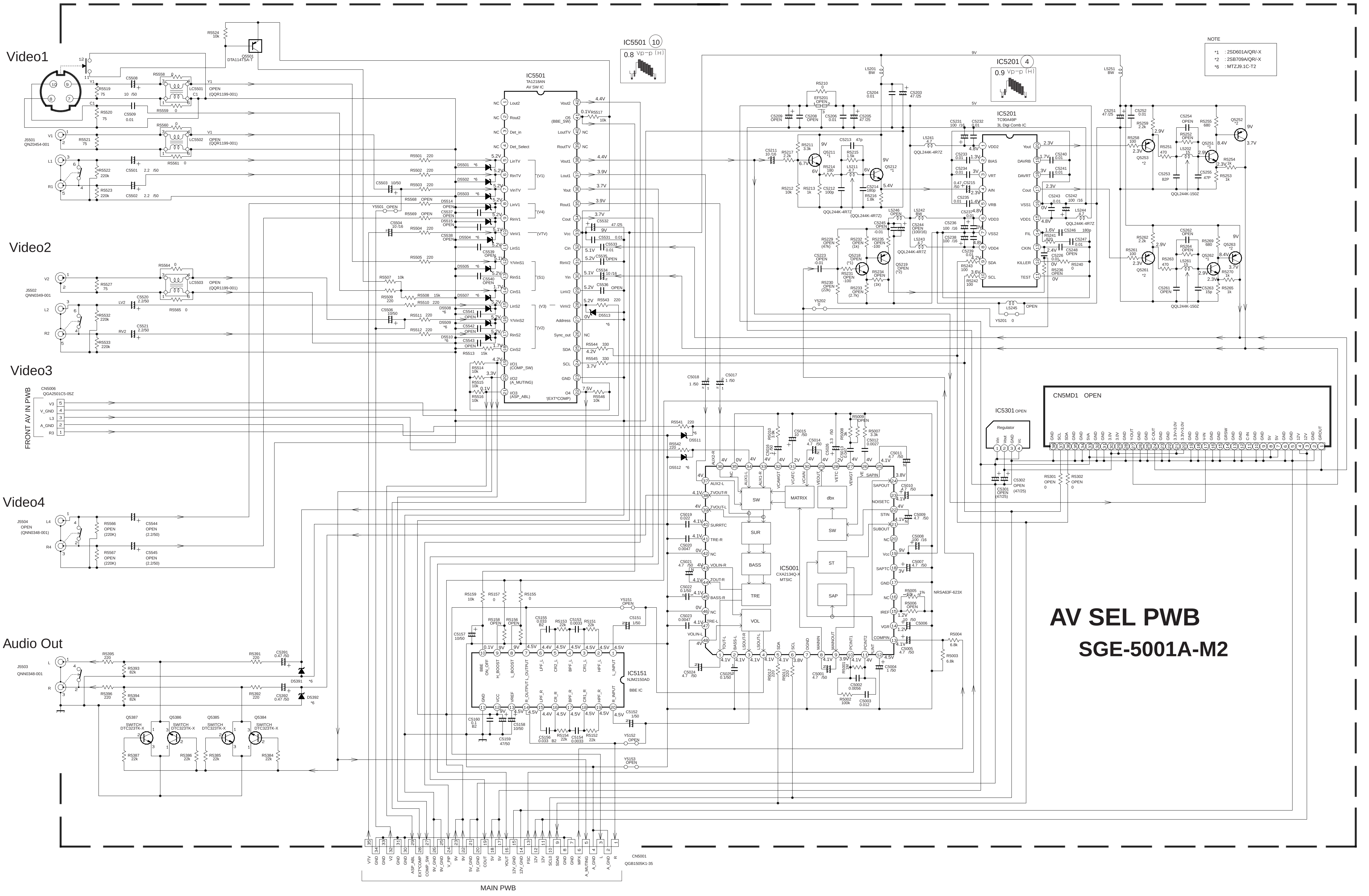


MAIN PWB (2/2)

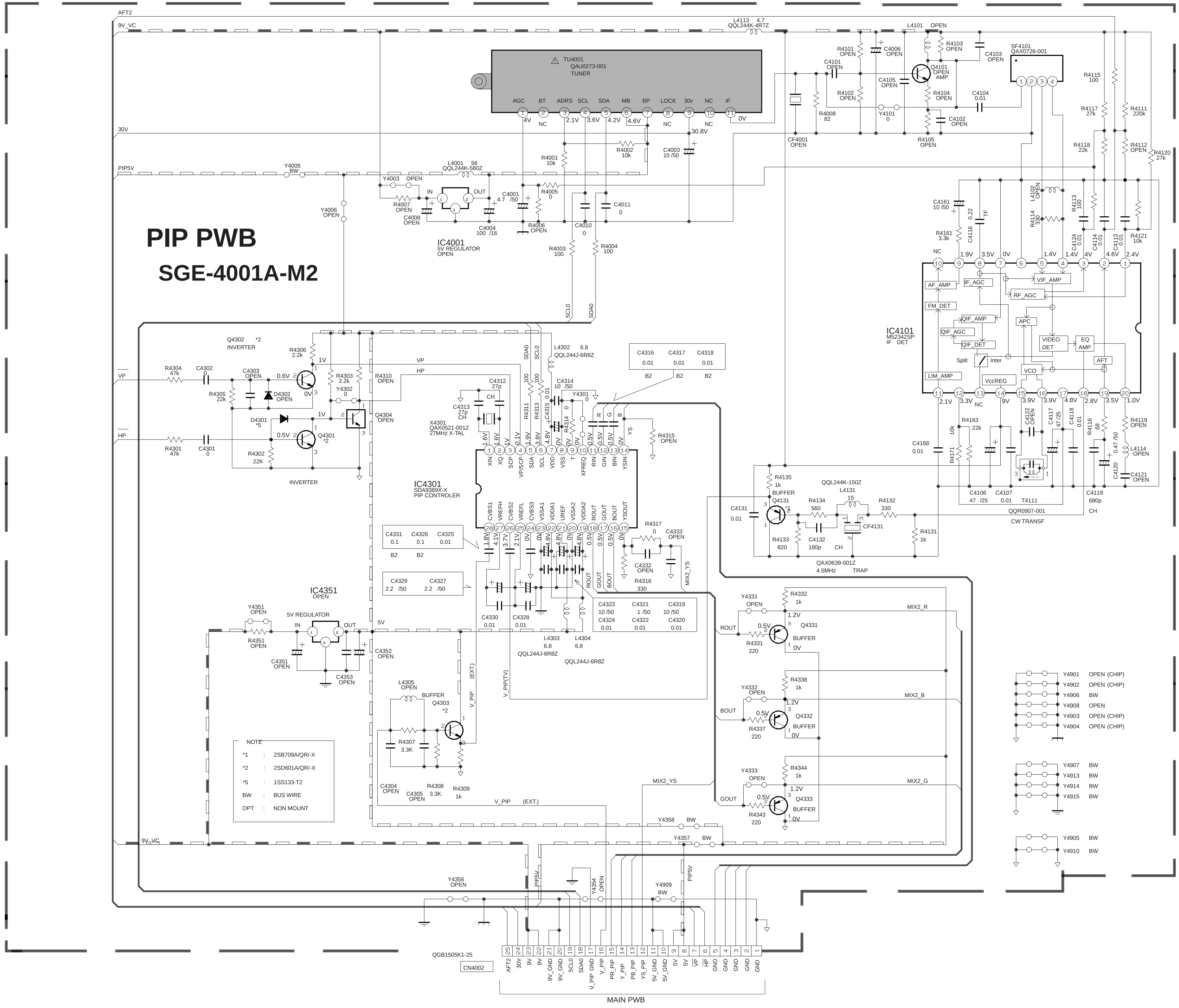
SGE-1021A-M2 [AV-32D503/M]
SGE-1022A-M2 [AV-32D503/R]
SGE-1003A-M2 [AV-32D503/Y]
SGE-1027A-M2 [AV-32D303/M,AV-32D203/M]
SGE-1028A-M2 [AV-32D303/R,AV-32D203/R]
SGE-1006A-M2 [AV-32D303/Y,AV-32D203/Y]

AV-32D503
AV-32D303
AV-32D203

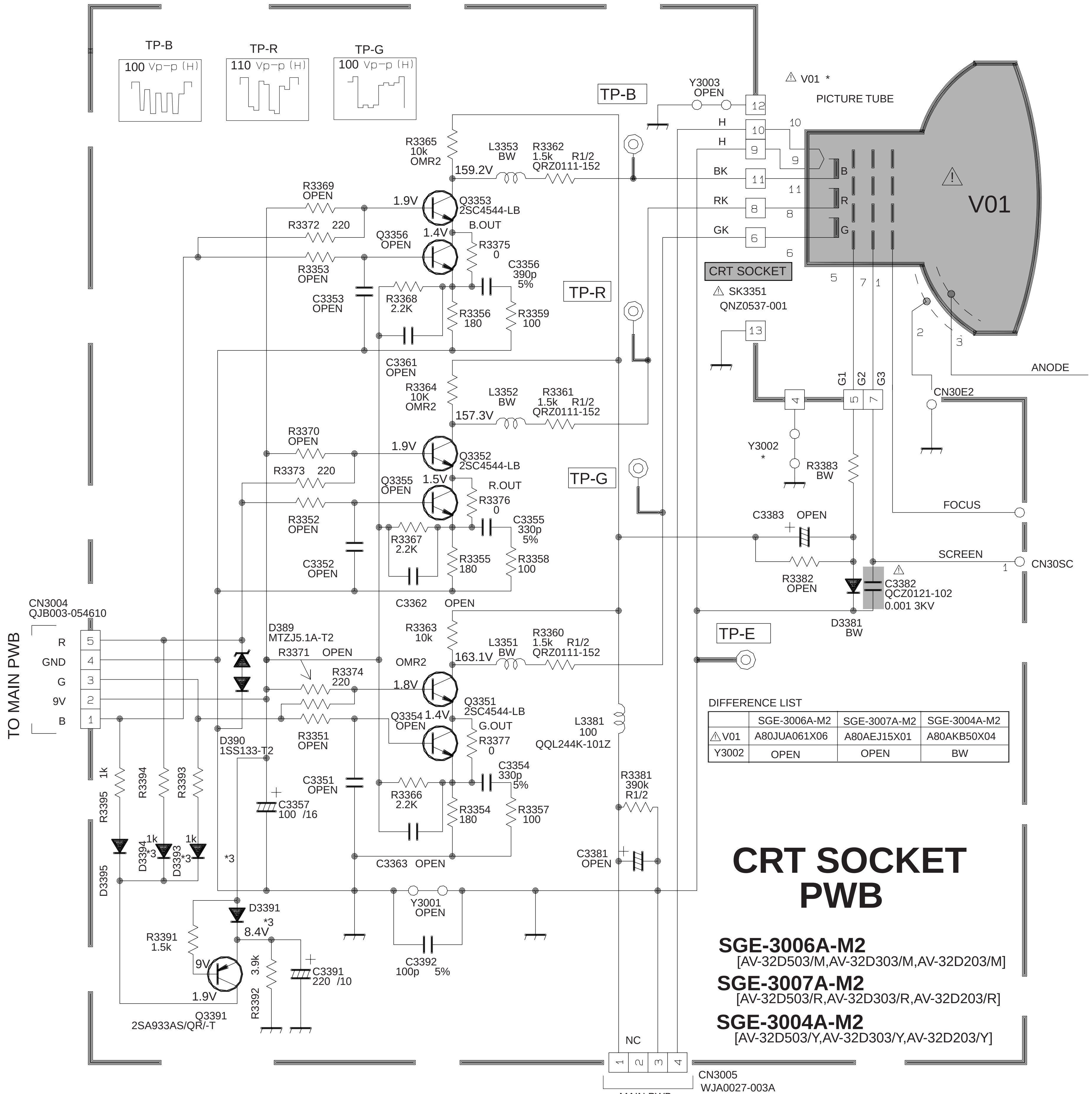
AV SEL PWB CIRCUIT DIAGRAM



PIP PWB CIRCUIT DIAGRAM



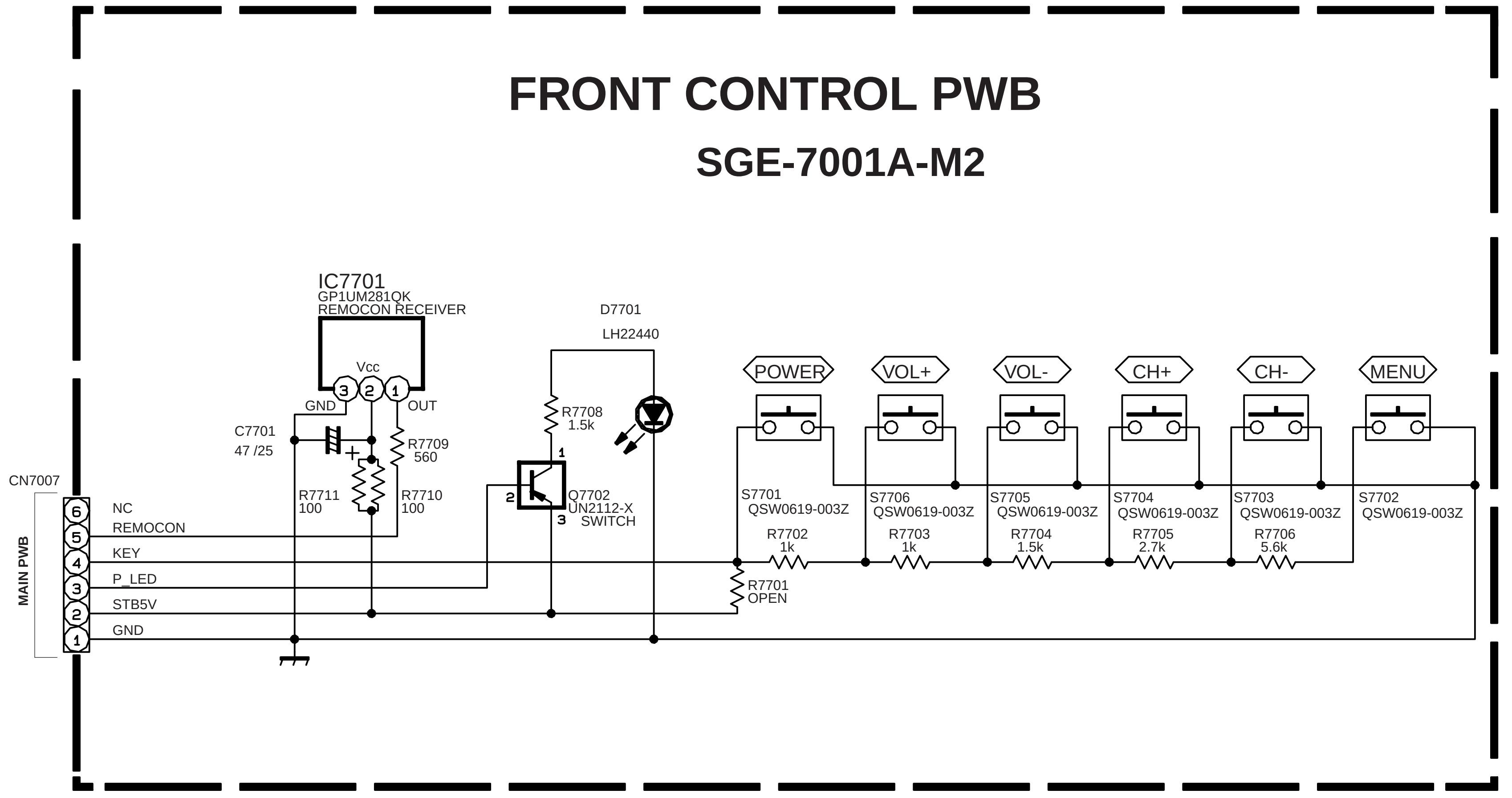
CRT SOCKET PWB CIRCUIT DIAGRAM



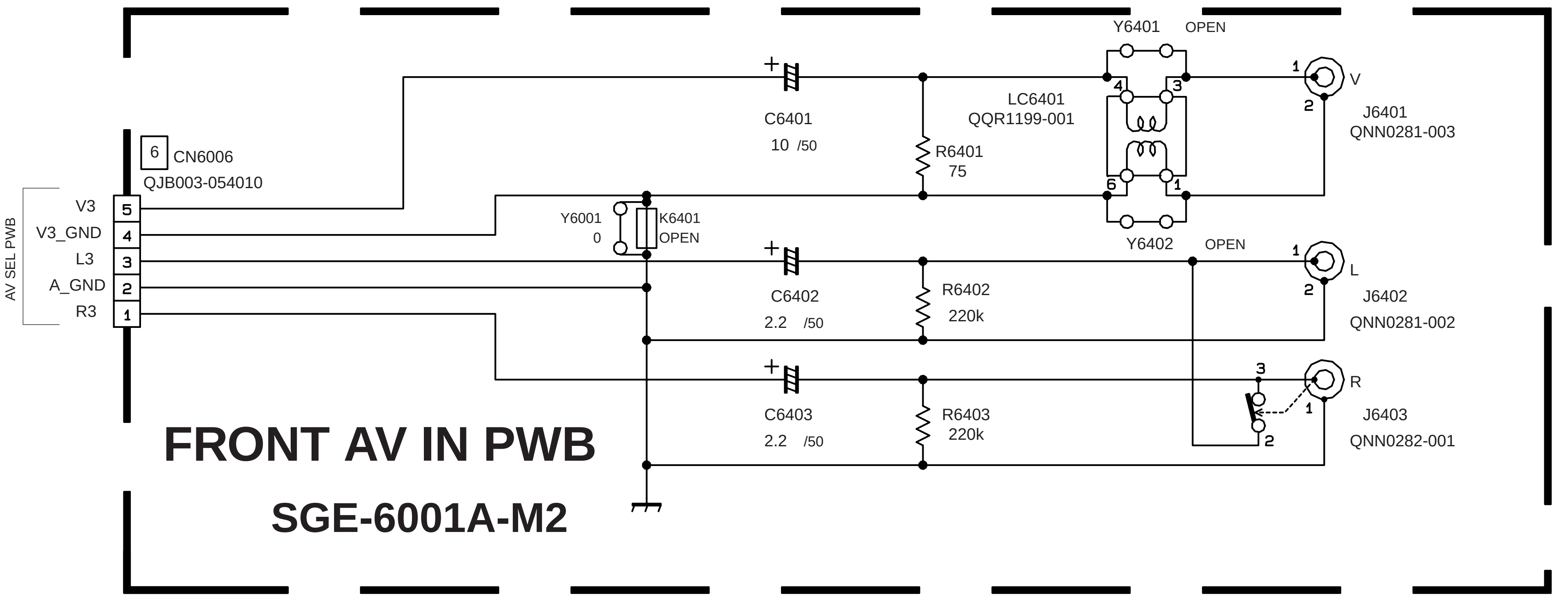
	SGE-3006A-M2	SGE-3007A-M2	SGE-3004A-M2
⚠V01	A80JUA061X06	A80AEJ15X01	A80AKB50X04
Y3002	OPEN	OPEN	BW

AV-32D503
AV-32D303
AV-32D203

FRONT CONTROL PWB CIRCUIT DIAGRAM

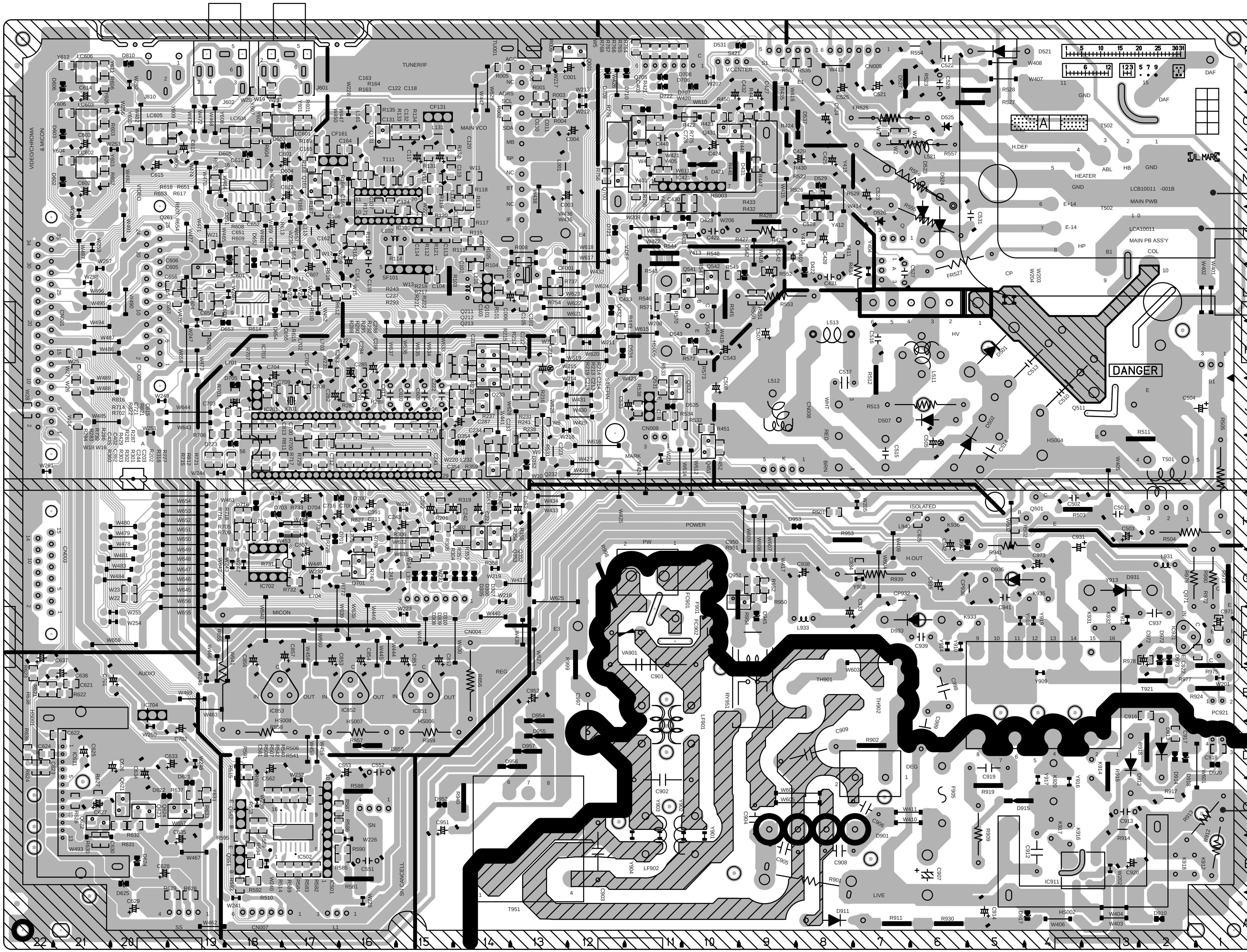


FRONT AV IN PWB CIRCUIT DIAGRAM



PATTERN DIAGRAMS *MAIN PWB PATTERN*

FRONT

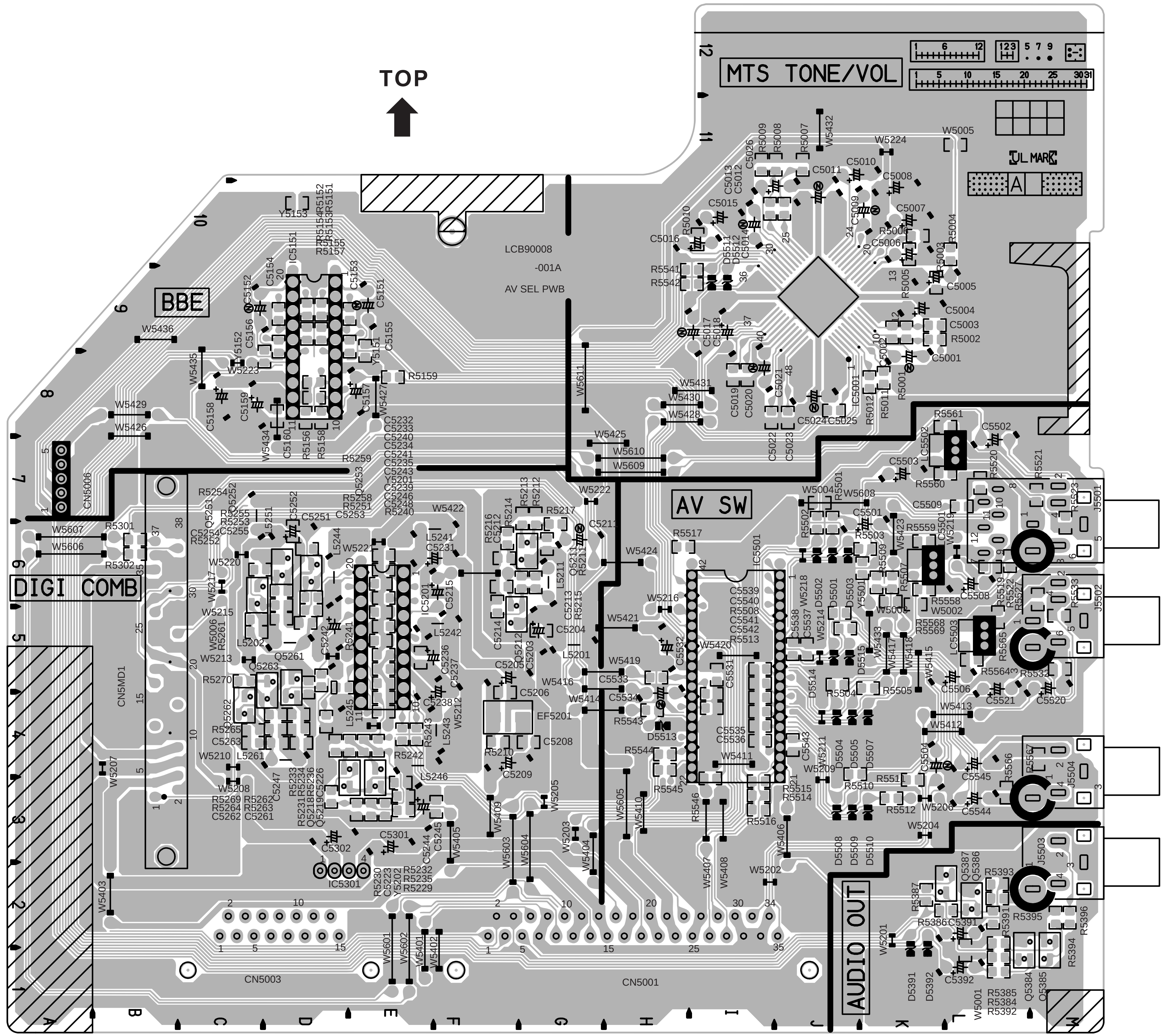


TP-E

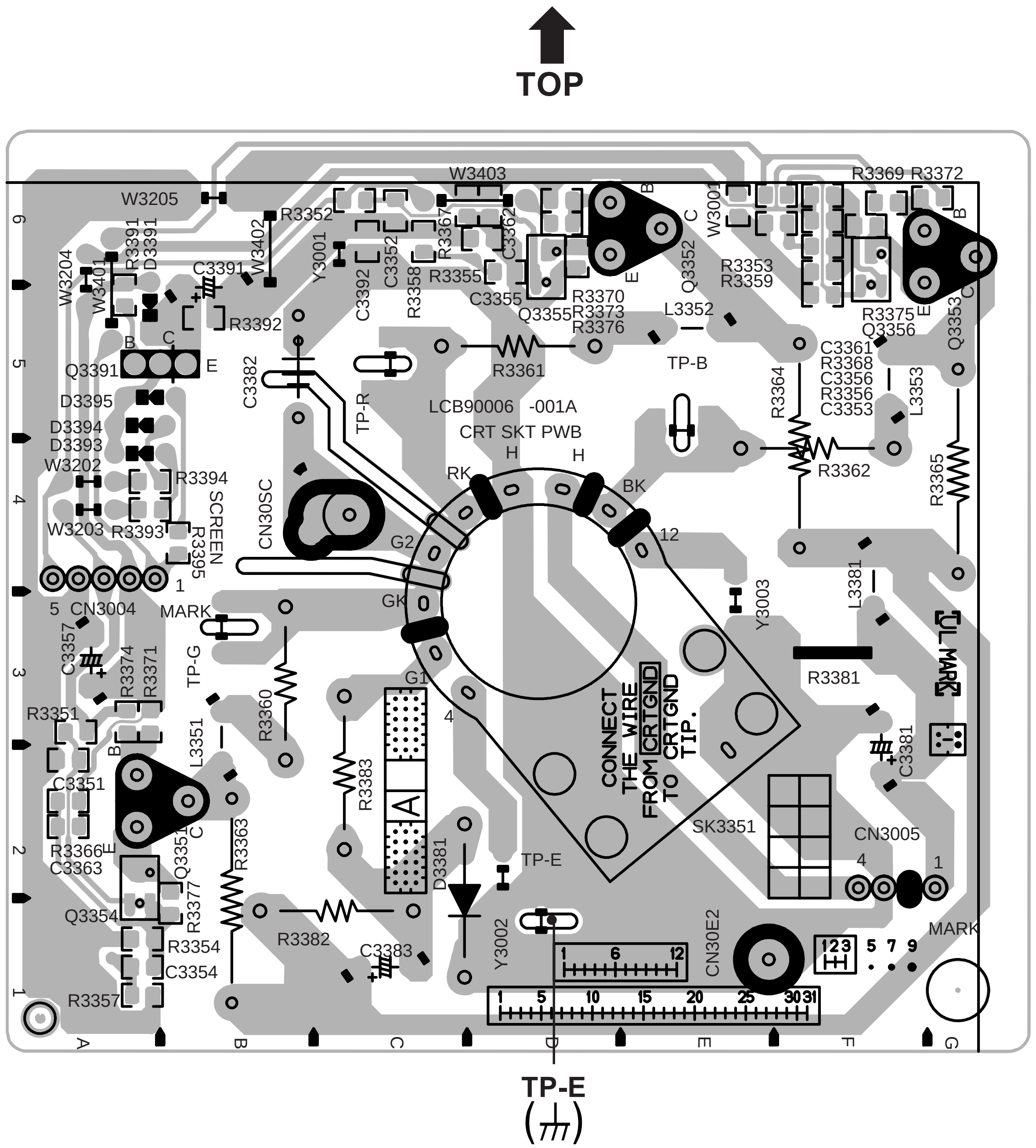
TP-91
(B1)

AV-32D503
AV-32D303
AV-32D203

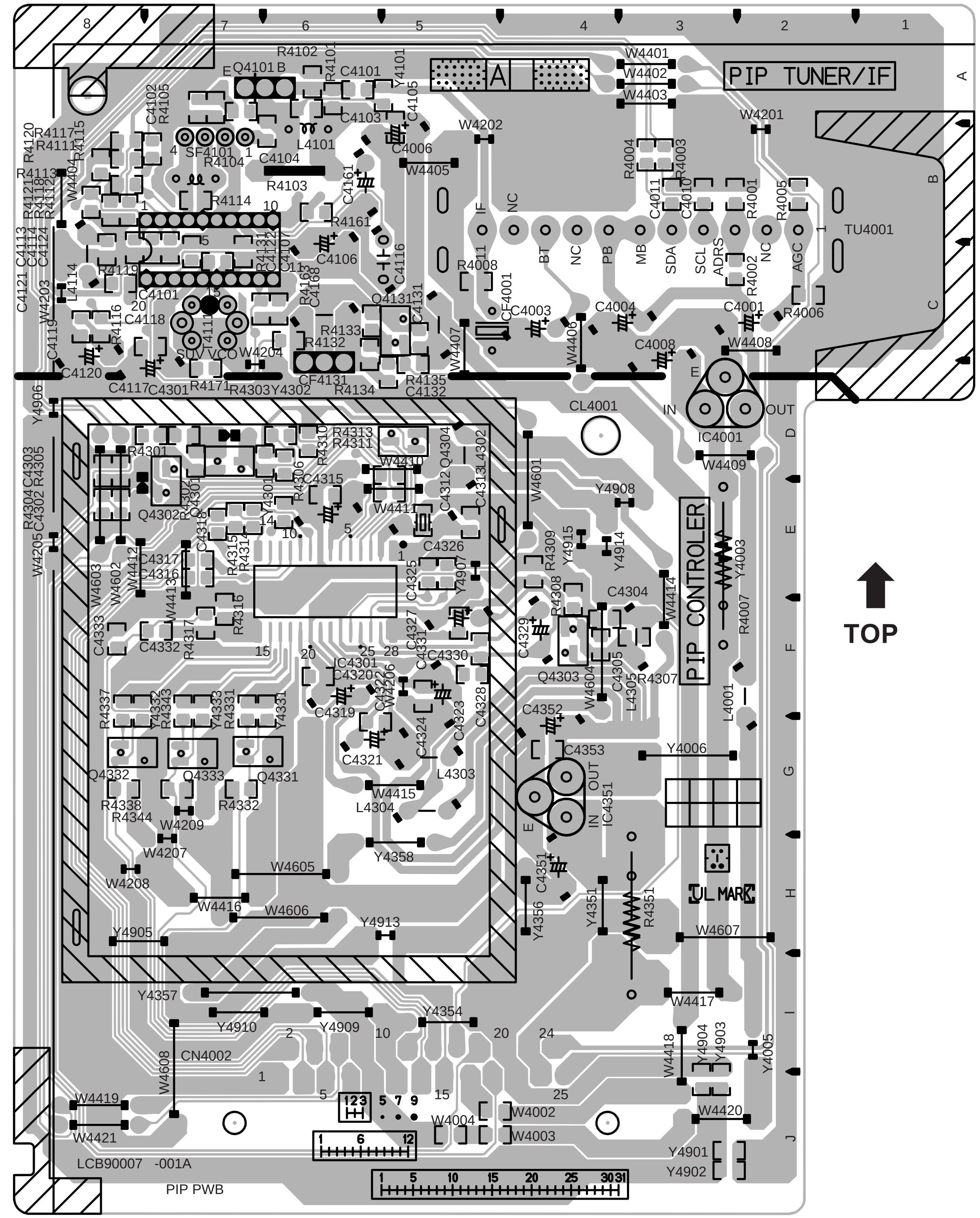
AV SEL PWB PATTERN



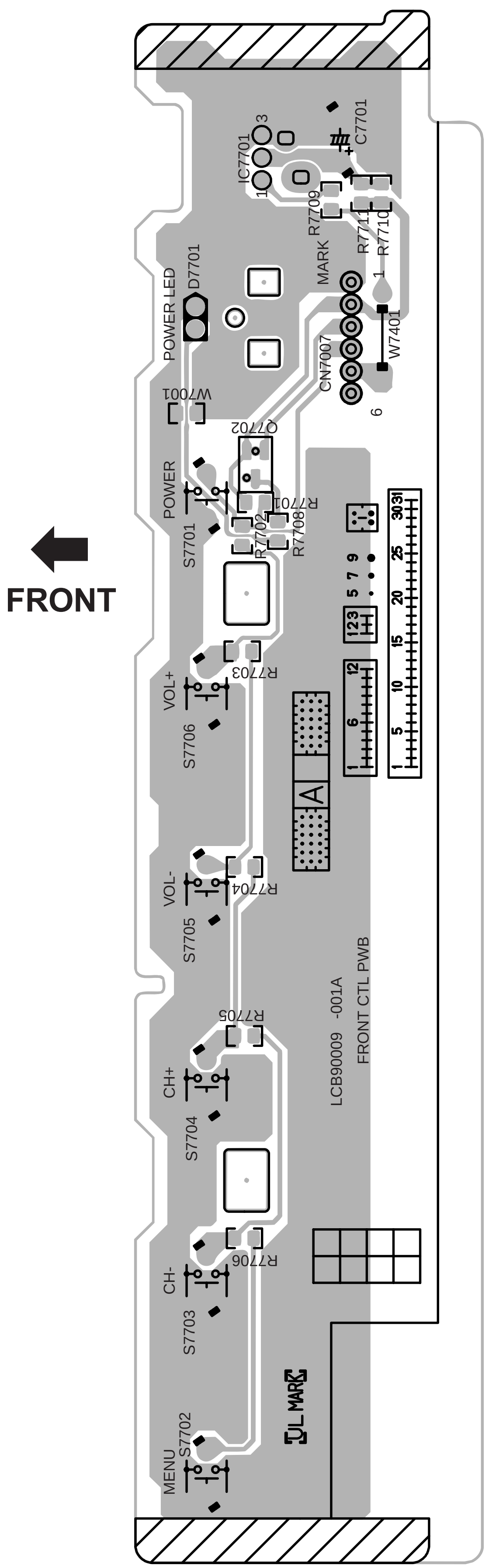
CRT SOCKET PWB PATTERN



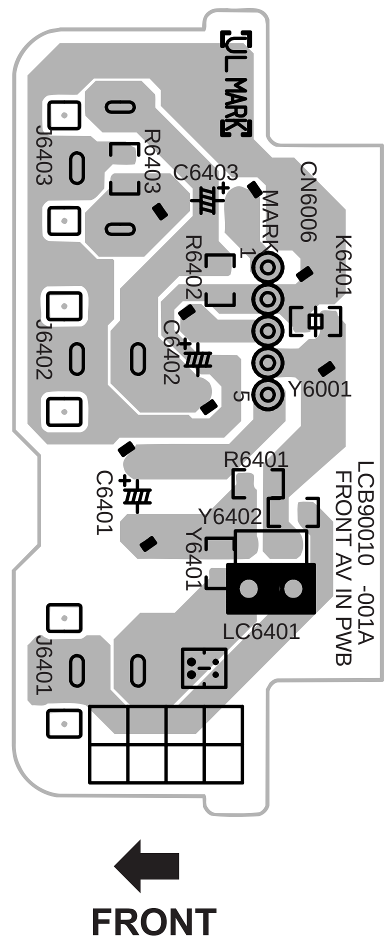
PIP PWB PATTERN



FRONT CONTROL PWB PATTERN



FRONT AV IN PWB PATTERN



CHANNEL CHART (US)

MODE TV	MODE CATV	BAND	CHANNEL REAL	CHANNEL DISP.	TUNER BAND
○	○	VL	02		I
			03		
			04		
			05		
			06		
		VH	07		II
			08		
			09		
			10		
			11		
			12		
			13		
×	○	MID	A	14	I
			B	15	
			C	16	II
			D	17	
			E	18	
			F	19	
			G	20	
			H	21	
			I	22	
		SUPER	J	23	II
			K	24	
			L	25	
			M	26	
			N	27	
			O	28	
			P	29	
			Q	30	
			R	31	
			S	32	
			T	33	
			U	34	
			V	35	
			W	36	
		HYPER	W+1	37	II
			W+2	38	
			W+3	39	
			W+4	40	
			W+5	41	
			W+6	42	
			W+7	43	
			W+8	44	
			W+9	45	
			W+10	46	
			W+11	47	
			W+12	48	IV
			W+13	49	
			W+14	50	
			W+15	51	
			W+16	52	
			W+17	53	
			W+18	54	
			W+19	55	
			W+20	56	
			W+21	57	
			W+22	58	
			W+23	59	
			W+24	60	
			W+25	61	
			W+26	62	
			W+27	63	
			W+28	64	
		ULTRA	W+29	65	
			W+30	66	
			W+31	67	
			W+32	68	
			W+33	69	
			W+34	70	

MODE TV	MODE CATV	BAND	CHANNEL REAL	CHANNEL DISP.	TUNER BAND
×	○	ULTRA	W+35	71	IV
			W+36	72	
			W+37	73	
			W+38	74	
			W+39	75	
			W+40	76	
			W+41	77	
			W+42	78	
			W+43	79	
			W+44	80	
			W+45	81	
			W+46	82	
			W+47	83	
			W+48	84	
			W+49	85	
			W+50	86	
			W+51	87	
			W+52	88	
			W+53	89	
			W+54	90	
			W+55	91	
			W+56	92	
			W+57	93	
			W+58	94	
			W+59	100	
			W+60	101	
			W+61	102	
			W+62	103	
			W+63	104	
			W+64	105	
			W+65	106	
			W+66	107	
			W+67	108	
			W+68	109	
			W+69	110	
			W+70	111	
			W+71	112	
			W+72	113	
			W+73	114	
			W+74	115	
			W+75	116	
			W+76	117	
			W+77	118	
			W+78	119	
			W+79	120	
			W+80	121	
			W+81	122	
			W+82	123	
			W+83	124	
			W+84	125	
		SUB MID	A-8	01	I
			A-4	96	
			A-3	97	
			A-2	98	
			A-1	99	
○	×	UHF	14 ~ 69		IV
TOTAL 180CH (VHF 124CH, UHF 56CH)					

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